

FW: Grid's 11/12/21 presentation

Singerman, Joel <Singerman.Joel@epa.gov>

Tue 11/30/2021 2:42 PM

To: Tsiamis, Christos <Tsiamis.Christos@epa.gov>; Carr, Brian <Carr.Brian@epa.gov>; Hess, Juliana/NYC <Juliana.Hess@jacobs.com>

📎 2 attachments (13 MB)

report.hw224012.2021-11-10.Data_Summary_Report_for_OffSite_Area.pdf; Citizens Shallow Groundwater Benzene Concentrations.xlsx;

From: Brown, Janet E (DEC) <janet.brown@dec.ny.gov>

Sent: Tuesday, November 30, 2021 2:15 PM

To: Garbarini, Doug <Garbarini.Doug@epa.gov>

Cc: Eaton, Daniel J (DEC) <daniel.eaton@dec.ny.gov>; Miller, John Y (DEC) <john.miller@dec.ny.gov>; Deyette, Scott (DEC) <scott.deyette@dec.ny.gov>; Singerman, Joel <Singerman.Joel@epa.gov>

Subject: FW: Grid's 11/12/21 presentation

Hi Doug – See below responses in red, along with requested info attd. Feel free to give me a call if you'd like to discuss further.

Thx,
Janet

From: Garbarini, Doug <Garbarini.Doug@epa.gov>

Sent: Monday, November 29, 2021 10:39 AM

To: Brown, Janet E (DEC) <janet.brown@dec.ny.gov>; Singerman, Joel <Singerman.Joel@epa.gov>

Cc: Eaton, Daniel J (DEC) <daniel.eaton@dec.ny.gov>; Miller, John Y (DEC) <john.miller@dec.ny.gov>; Deyette, Scott (DEC) <scott.deyette@dec.ny.gov>

Subject: RE: Grid's 11/12/21 presentation

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Janet

Two things.

I believe that Grid was going to get us the info they used for the benzene in groundwater figure that they presented; that figure included data from 2016 that EPA and DEC had not seen before. **National Grid recently submitted an off-site investigation report for the Citizens Site which is attached for reference. The report summarizes a compilation of off-site soil and groundwater data. Much of this data is from the original 2005 RI but the report also includes supplemental data from as recently as 2015. In addition, please see attached excel data table that Grid used as the basis for the benzene gw figure.**

The NYSDEC shares the same concern as EPA regarding the basis for this groundwater figure. From review of the off-site investigation report it was observed that two of the pertinent wells, CGMW-24 and CGMW-25 were listed as “not sampled”. Grid indicated that those wells were unable to be sampled due to insufficient groundwater

being present in the well. Therefore, the DEC has requested additional off-site sampling to inform current gw conditions. National Grid is proposing to over drill/replace monitoring well CGMW-25 and re-sample. Note that this well is located across Smith Street from Parcel I and its data will help to address EPA's concern about shallow groundwater in this area. This work has not been scheduled yet, but will be completed in the near future.

Additionally, the 2016 supplemental design investigation report is available at the following link on DEC's DIL website.

<https://www.dec.ny.gov/data/DecDocs/C224012/>

Also, I was thinking that it would make sense for us to check calendars and perhaps block some time for a potential meeting the week after next. Seems that given how difficult it is to get time on calendars, we should seek to block a couple of hours in case we need it. Thoughts? **Based on DER staff schedules, we are only available on Mon-Wed (12/13-12/15) for potential meeting times – see specifics below.** I've asked Grid to provide their availability as well. Let us know your team's availability, so we can release some of the hold times for folks.

As a heads up, as I mentioned in our last conversation, there was a possibility that DEC was going to request formal written concurrence on EPA's specific concerns as the concerns seem to be evolving during our discussions over time. We briefed Mike and Sue last week, and they have directed us to draft a letter to EPA (from Sue to Pat E) to that effect to get formal consensus. That letter is being prepared now. Depending on timing, the teams may or may not be in a position to continue discussions in the below timeframe.

DER availability:

Monday, 12/13: 8-10 am, 11am- 1pm, 2-3:30 pm

Tuesday, 12/14: 8 am- 3:30 pm

Wed, 12/15: 8-10 am and 2-3:30 pm

Thanks

Doug

From: Brown, Janet E (DEC) <janet.brown@dec.ny.gov>

Sent: Monday, November 22, 2021 9:37 AM

To: Garbarini, Doug <Garbarini.Doug@epa.gov>; Singerman, Joel <Singerman.Joel@epa.gov>

Cc: Eaton, Daniel J (DEC) <daniel.eaton@dec.ny.gov>; Miller, John Y (DEC) <john.miller@dec.ny.gov>; Deyette, Scott (DEC) <scott.deyette@dec.ny.gov>

Subject: Grid's 11/12/21 presentation

Hi Doug and Joel,

As requested, attached is Grid's 11/12/21 presentation. Please let us know if you need anything further.

Thx,
Janet

| Location ID | Property or General Location | Easting (feet NAD83) | Northing (feet NAD83) | Screened Interval (feet NAVD88) | Benzene Concentration (µg/L) | | Sample Date | Investigation | |
|-------------|------------------------------|----------------------|-----------------------|---------------------------------|-------------------------------|---|-------------|---------------|--|
| | | | | | Reported Sample Concentration | Numerical Value Used to Develop Isoconcentration Contour ^{6,7} | | | |
| CGMW-01S | Parcel I | 631801.800 | 672023.000 | 1.61 | -8.39 | 120 UJ | 60 | 4/14/2005 | Citizens Remedial Investigation |
| CGMW-02S | Parcel I | 632142.200 | 671719.100 | 2.46 | -7.54 | 1,500 | 1,500 | 4/12/2005 | Citizens Remedial Investigation |
| CGMW-04S | Parcel II | 632442.700 | 671757.200 | 1.99 | -8.01 | 70 | 70 | 6/1/2003 | Citizens Remedial Investigation |
| CGMW-05S | Parcel IV | 632221.500 | 672046.600 | 1.1 | -8.9 | 5 U | 2.5 | 4/18/2005 | Citizens Remedial Investigation |
| CGMW-06S | Huntington Street ROW | 631824.400 | 671213.100 | 0.57 | -9.43 | 860 | 860 | 4/15/2005 | Citizens Remedial Investigation |
| CGMW-07S | Parcel II | 632273.500 | 671594.400 | -4.93 | -14.93 | 0.8 J | 0.8 | 4/18/2005 | Citizens Remedial Investigation |
| CGMW-08S | Parcel III | 631973.700 | 671277.300 | 0.63 | -9.37 | 12 | 12 | 4/15/2005 | Citizens Remedial Investigation |
| CGMW-09 | Parcel III | 632078.330 | 671513.160 | 3.28 | -6.72 | 540 J | 540 | 4/14/2005 | Citizens Remedial Investigation |
| CGMW-10S | Parcel I | 632018.450 | 671568.690 | 3.45 | -6.55 | 1,500 | 1,500 | 4/14/2005 | Citizens Remedial Investigation |
| CGMW-12 | 4th Street ROW | 632686.380 | 671816.800 | 1.31 | -8.69 | 0.74 J | 0.74 | 4/13/2005 | Citizens Remedial Investigation |
| CGMW-13 | Parcel I | 631929.000 | 671976.100 | 4.6 | -5.4 | 280 J | 280 | 4/12/2005 | Citizens Remedial Investigation |
| CGMW-14 CH1 | Parcel I | 632109.680 | 671854.200 | 9.01 | -8.76 | 120 | 120 | 5/3/2005 | Citizens Remedial Investigation |
| CGMW-15 CH1 | Parcel III | 631553.360 | 671371.650 | -4.7 | -4.95 | 6.9 | 6.9 | 5/4/2005 | Citizens Remedial Investigation |
| CGMW-16 CH2 | 65 6th Street | 632501.520 | 671286.890 | -10.79 | -11.04 | 26 J | 26 | 5/5/2005 | Citizens Remedial Investigation |
| CGMW-17 CH2 | Smith Street ROW | 631826.900 | 671710.780 | -4.64 | -4.89 | 120 | 120 | 5/4/2005 | Citizens Remedial Investigation |
| CGMW-18 CH2 | Hoyt Street ROW | 632393.330 | 671911.980 | -7.77 | -8.02 | 16,000 J | 16,000 | 5/5/2005 | Citizens Remedial Investigation |
| CGMW-19 CH1 | 56 2nd Avenue | 632365.500 | 670895.900 | -2.1 | -2.35 | 5 UJ | 2.5 | 5/4/2005 | Citizens Remedial Investigation |
| CGMW-22 CH1 | 37 9th Street | 631973.280 | 671002.230 | -5.68 | -5.93 | 3.8 J | 3.8 | 5/5/2005 | Citizens Remedial Investigation |
| CGMW-23 | Nelson Street ROW | 631427.720 | 671647.690 | 7.44 | -2.56 | 0.15 J [0.28 J] | 0.215 | 6/10/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-27 | 4th Street ROW | 632584.245 | 671910.418 | 9.55 | -0.45 | 0.22 J | 0.22 | 6/11/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-29 | 7th Street ROW | 632988.540 | 670748.590 | 5.93 | -4.07 | 1.0 U | 0.5 | 6/11/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-32 | 9th Street ROW | 632059.300 | 670721.930 | 3.24 | -6.76 | 1.0 U | 0.5 | 6/11/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-35 | Parcel III | 631817.700 | 671578.610 | 9 | -1 | 3,900 | 3,900 | 2/24/2010 | Citizens Pre-Design Investigation for Parcel III |
| CGMW-36 | Parcel III | 631817.020 | 671478.970 | 10.62 | -0.62 | 400 | 400 | 2/25/2010 | Citizens Pre-Design Investigation for Parcel III |
| CGMW-37 | Parcel III | 631668.410 | 671619.830 | 11.2 | -1.2 | 5 U | 2.5 | 2/25/2010 | Citizens Pre-Design Investigation for Parcel III |
| CGMW-38 | Parcel III | 631634.170 | 671518.130 | 10.4 | -0.4 | 2 J | 2 | 2/25/2010 | Citizens Pre-Design Investigation for Parcel III |
| CGMW-39 | Parcel III | 631681.820 | 671314.150 | 6.1 | -3.9 | 0.75 J [5 U] | 1.625 | 2/24/2010 | Citizens Pre-Design Investigation for Parcel III |
| CGMW-40 | 2nd Avenue ROW | 633098.000 | 670998.600 | -2.11 | -12.11 | 0.28 J | 0.28 | 7/28/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-44 | 9th Street ROW | 631320.700 | 671128.550 | 4.86 | -5.14 | 1.0 U | 0.5 | 6/11/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-46 | Garnet Street ROW | 631262.830 | 670880.890 | 2.28 | -7.72 | 1.0 U | 0.5 | 6/11/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| CGMW-47 | Centre Street ROW | 631191.630 | 670640.890 | 0.32 | -9.88 | 1.0 U | 0.5 | 6/11/2015 | Citizens Supplemental Remedial Investigation for Off-Site Area |
| GC-MW09S | 491 Smith Street | 631759.290 | 670962.610 | 5.65 | -4.45 | 0.32 J [0.25 J] | 0.285 | 2010 | Gowanus Canal Remedial Investigation |
| GC-MW10S | 491 Smith Street | 631580.160 | 671266.660 | 8.63 | -1.37 | 0.23 U [0.1 J] | 0.1075 | 2010 | Gowanus Canal Remedial Investigation |

Notes:

- Horizontal reference datum is the North American Datum of 1983 (NAD83).
- Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
- Sample concentrations are presented in units of micrograms per liter (µg/L).
- Bolded sample concentrations denote detections.
- Field duplicate results are presented in brackets.
- Non-detect results are included at a concentration equal to one-half of the reporting limit (RL).
- Parent and field duplicate results are included at a concentration equal to the average (arithmetic mean) of their individual concentrations.
- ROW: right of way.
- The New York State Class GA ambient water quality standard for benzene is 1.0 µg/L.

Data Qualifiers:

- J: Concentration is less than the RL, but greater than or equal to the method detection limit. The reported concentration is an estimate.
- U: Parameter was not detected in the sample. The reported concentration is the RL.
- UJ: Parameter was not detected above the reported sample quantitation limit; however, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Mr. Patrick Van Rossem
National Grid
175 East Old Country Road
Hicksville, New York 11801

Date: November 10, 2021
Our Ref: 30004014.00002
Subject: Data Summary Report for Off-Site Area
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Arcadis of New York, Inc.
One Lincoln Center
110 West Fayette Street
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Dear Mr. Van Rossem,

This report has been prepared by Arcadis of New York, Inc. (Arcadis), on behalf of The Brooklyn Union Gas Company d/b/a National Grid NY (“National Grid”), to present the scope and results of the environmental investigations completed in the public rights-of-way and at several privately-owned properties surrounding the former Citizens Gas Works manufactured gas plant (MGP) site (hereinafter, the “Site”) in Brooklyn, New York. These off-Site environmental investigations were conducted on behalf of National Grid by GEI Consultants, Inc. (GEI) between 2003 and 2015 and consisted of a remedial investigation (RI), which was completed as part of the Site-wide RI, and a supplemental remedial investigation (SRI). The results of the RI, including those RI-related activities completed in the off-Site area, were presented in the *Final Remedial Investigation Report* (RI Report; GEI 2005) and the results of the initial SRI activities – specifically, those completed between May and June 2006 – were presented in the *Supplemental Remedial Investigation (SRI) Interim Data Summary* (National Grid 2009b). Although not completed as part of an environmental investigation, it should be noted that test pit CGTP-205 was excavated on the off-Site 98 4th Street property on December 10, 2012 to locate and open an underground manhole associated with the Bond-Lorraine Street sewer. The test pitting work was summarized in Section 2.2 of the *Data Summary Report, Barrier Wall Pilot Test Program* (GEI 2015) and the log for test pit CGTP-205 was included in Appendix C of that document. For completeness, a copy of that test pit log has also been included in Attachment A of this report and the relevant details are summarized in Table 1.

The remainder of this report presents relevant background information regarding the Site and summarizes the scope and results of the environmental investigations completed in the off-Site area.

Site Background

Site Location and Description

The Site is generally located at the intersection of Smith and 5th Streets in the Carroll Gardens neighborhood of the Borough of Brooklyn, Kings County, New York (Figure 1), and comprises four properties, which are commonly referred to as “Parcel I” (Block 471, Lot 1), “Parcel II” (Block 471, Lot 100), “Parcel III” (Block 471, Lot 200), and “Parcel IV” (Block 468, Lot 25). Parcels I, II, and III of the Site encompass a contiguous area of approximately 9.6

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National Grid
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acres and are generally bounded by 5th Street, Hoyt Street, and privately-owned commercial properties to the north, Smith Street to the west, Huntington Street to the southwest, and the Gowanus Canal to the south and east (Figure 2). Parcel IV of the Site is located at 38 4th Street and comprises approximately 1.05 acres. The property is generally bounded by 4th Street to the north, privately-owned properties to the west, Hoyt Street to the east and southeast, and 5th Street to the southwest (Figure 2).

The area surrounding the Site is densely populated and includes a mix of commercial, industrial, and residential land uses. As shown on Figure 2, the off-Site investigation area is generally bounded by 4th Street to the north, 3rd Street to the northeast, 2nd Avenue to the east across the Gowanus Canal, 9th Street to the southeast across the Gowanus Canal, Centre Street to the south-southwest, and Court Street to the west.

Site History

Operational History

The Site and surrounding area were originally part of the wetlands system adjacent to Gowanus Creek. The area was artificially filled as part of the construction of the Gowanus Canal in the 1860s. Soon after the completion of the canal, the Citizens Gas Company constructed a coal gasification plant between 5th Street and 6th Street on the northern portions of Parcels I and II of the Site. The initial MGP included three gas holders (hereinafter, “Holder No. 1”, “Holder No. 2”, and “Holder No. 3”), a retort house, and coal storage areas. At that time, the southern area of Parcel III was occupied by a chemical fertilizer production facility, which was not affiliated with the MGP. The Brooklyn Union Gas Company acquired the MGP in 1895, and by 1904, a hydrogen gas holder (unnumbered) was located on Parcel I southeast of Holder No. 3, a purifier house was present on the northeast side of 6th Street, and a separator house and drip oil storage were located southwest of 6th Street. The chemical fertilizer production facility closed sometime between 1904 and 1915 and Parcel III was further developed to include additional tar handling facilities and oil storage tanks. The unnumbered hydrogen gas holder on Parcel I was decommissioned during this period.

Parcel IV was acquired in 1922 and, between 1923 and 1924, a new governor house, meter house, and five-section, 5-million-cubic-foot gas holder (“Holder No. 4”) was constructed on the property. By 1939, the plant had reached the extent of its construction. This included a new gas holder (“Holder No. 5”, which replaced Holder No. 1 near the corner of Smith and 5th Streets), two new purifier houses, and additional oil storage on Parcel I and a larger tar separator on Parcel III. Between 1928 and 1948, a one-million-gallon oil tank was constructed on Parcel III and the two 86-foot diameter gas holders (Holder Nos. 2 and 3) on Parcel I were decommissioned as gas holders and converted for use as a tar dehydrator tank and tar separator tank, respectively. The plant was converted to an oil gasification plant in 1952 and operated as such until its closure in the early 1960s. The Brooklyn Union Gas Company sold the MGP properties in 1969.

Following the sale of the MGP properties, Parcel II was the site of a concrete plant that operated from the 1970s until 2019. During this period, Parcel I was used by the operator of the concrete plant (located on Parcel II) for employee parking, equipment staging, and material storage. As noted in the RI Report, illegal dumping of material (e.g., concrete, drums, construction waste, etc.) also occurred on Parcel I in the 1970s. A warehouse was constructed on Parcel III in 1971 and was used for various commercial enterprises until 2009 when it was demolished. Parcel III has generally remained vacant since that time.

Regulatory History

KeySpan Corporation, a predecessor to National Grid, and NYSDEC entered into a Voluntary Cleanup Agreement (Index No. A2-0460-0502), effective August 31, 2002, for the investigation and remediation of Parcels I and II of the Site (formerly designated as Site No. V00360). The Voluntary Cleanup Agreement was terminated effective November 11, 2007, and NYSDEC and National Grid, the City of New York, Vichar, Inc., and Harvic International Ltd. subsequently entered into a Brownfield Site Cleanup Agreement (BCA; Index No. A2-0610-0808), effective February 18, 2009, for the investigation and remediation of Parcels I, II, and III, which (at that time) were collectively designated as Site No. C224012. Contemporaneously, National Grid and NYSDEC entered into a multi-site Order on Consent and Administrative Settlement (Index No. A2-0552-0606), effective March 4, 2007 and amended on August 10, 2007, which requires National Grid to implement a remedial program for several former MGP sites on Long Island and in the New York City area, including Parcel IV of the Site.

Summary of Environmental Investigations

This section summarizes the scope and results of the environmental investigations completed in the off-Site area to characterize existing conditions with respect to MGP-related impacts. As indicated above, the investigations were conducted on behalf of National Grid by GEI between 2003 and 2015 and consisted of an RI and an SRI. The off-Site investigation locations (surface soil sample, soil borings, monitoring wells, and test pit) are shown on Figure 3 and the soil boring, well construction, and test pit logs are provided in Attachment A. Table 1 summarizes the surface soil sample, soil boring, and test pit locations, including the visible impacts (if any) observed at each location. Monitoring well construction details, water level measurements, and dense non-aqueous phase liquid (DNAPL) thickness measurements are summarized in Tables 2, 3, and 4, respectively. Surface soil and subsurface soil sample results are summarized in Tables 5 and 6, respectively. Table 7 summarizes the final (stabilized) groundwater field parameters and physical observations of the monitoring well purge water that were recorded before groundwater samples were collected. Groundwater and DNAPL sample results are summarized in Tables 8 and 9, respectively.

Remedial Investigation (2003-2005)

The RI work in the off-Site area was conducted between April 30, 2003 and July 10, 2003 and between November 5, 2004 and May 5, 2005 in accordance with the *Remedial Investigation Work Plan* (GEI 2003) and *Supplemental Remedial Investigation Work Plan* (GEI 2004). The RI scope generally included the following:

- Drilling of 11 soil borings (CGSB-26, CGSB-31 through CGSB-33, CGSB-39, CGSB-42 through CGSB-44, CGSB-48, CGSB-49, and CGSB-52) using sonic drilling methods and collection and analysis of 39 subsurface soil samples;
- Installation of 10 monitoring wells (CGMW-06S, CGMW-06I, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22), collection of water level measurements, and collection and analysis of 22 groundwater samples; and
- Collection of DNAPL thickness measurements and collection and analysis of a DNAPL sample from monitoring well CGMW-06I.

Subsurface soil and groundwater samples were submitted to and analyzed by Severn Trent Laboratories, Inc. for the following parameters:

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- Volatile organic compounds (VOCs) in accordance with United States Environmental Protection Agency (USEPA) SW-846 Method 8260;
- Semivolatile organic compounds (SVOCs) in accordance with USEPA SW-846 Method 8270;
- Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471; and
- Total cyanide in accordance with USEPA SW-846 Method 9012.

The groundwater sample collected on June 4, 2003 from monitoring well CGMW-06S was also analyzed for pesticides in accordance with USEPA SW-846 Method 8081. The DNAPL sample collected from monitoring well CGMW-06I was submitted to and analyzed by Severn Trent Laboratories, Inc. for VOCs, SVOCs, specific gravity, and kinematic viscosity in accordance with USEPA SW-846 Method 8260, USEPA SW-846 Method 8270, Standard Method 2710 F, and ASTM D445, respectively.

The results of the off-Site RI work were presented in the RI Report. The RI soil boring and monitoring well locations are shown on Figure 3 and the soil boring and well construction logs are provided in Attachment A. Visible impacts (if any) observed in the RI soil borings are summarized in Table 1. Monitoring well construction details, water level measurements, and DNAPL thickness measurements collected during the RI are summarized in Tables 2, 3, and 4, respectively. Table 6 summarizes the RI subsurface soil sample results and identifies the lower of the restricted use soil cleanup objectives (SCOs) for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of Title 6, Part 375 of the New York Codes, Rules, and Regulations (6 NYCRR 375; Environmental Remediation Programs). Sample concentrations that exceed the applicable SCOs are shaded gray.

Table 7 summarizes the final (stabilized) groundwater field parameters and physical observations of the monitoring well purge water that were recorded before the RI groundwater samples were collected. The RI groundwater sample results are summarized in Table 8. Table 8 also identifies the available New York State Class GA ambient water quality standards and guidance values from the NYSDEC Division of Water's Technical and Operational Guidance Series (TOGS) 1.1.1, titled *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998). Sample concentrations that exceed the applicable New York State Class GA ambient water quality standards or guidance values are shaded gray. Table 9 summarizes the results for the DNAPL sample collected from monitoring well CGMW-06I.

Supplemental Remedial Investigation (2006-2015)

The off-Site SRI was conducted over several field mobilizations – generally, between May 20 and June 21, 2006, between January 9 and March 7, 2008, between December 16, 2009 and November 22, 2010, between November 6 and November 20, 2012, between May 11 and May 20, 2013, and on June 10, June 11, and July 28, 2015 – in accordance with the *Supplemental Remedial Investigation (RI) Work Plan* (KeySpan Corporation 2005), *Supplemental Remedial Investigation Work Plan* (National Grid 2009a), *Supplemental Remedial Investigation (SRI) Work Plan Addendum* (National Grid 2009c), and *Supplemental Remedial Investigation (SRI) Work Plan Addendum No. 2* (National Grid 2012). The SRI scope generally included the following:

- Collection and analysis of one surface soil sample (CGSS-23);
- Drilling of 24 soil borings – 13 using direct-push drilling methods (CGSB-53, CGSB-54, CGSB-54B, CGSB-55, CGSB-55B, CGSB-56, CGSB-57, CGSB-59, CGSB-60, and CGSB-95 through CGSB-98), eight using sonic drilling methods (CGSB-55, CGSB-58, CGSB-143, CGSB-145 through CGSB-147, CGSB-150, and

- CGSB-151), two using hollow-stem auger drilling methods (CGSB-79 and CGSB-79B), and one using mud-rotary drilling methods (CGSB-54) – and collection and analysis of 39 subsurface soil samples; and
- Installation of 11 monitoring wells (CGMW-23 through CGMW-27, CGMW-29, CGMW-32, CGMW-40, CGMW-44, CGMW-46, and CGMW-47), collection of water level measurements, and collection and analysis of nine groundwater samples.

Surface soil, subsurface soil, and groundwater samples were submitted to and analyzed by TestAmerica Laboratories, Inc. for the following parameters:

- Surface Soil Sample:
 - VOCs in accordance with USEPA SW-846 Method 8260;
 - SVOCs in accordance with USEPA SW-846 Method 8270;
 - Polychlorinated biphenyls (PCBs) in accordance with USEPA SW-846 Method 8082;
 - Pesticides in accordance with USEPA SW-846 Method 8081;
 - Herbicides in accordance with USEPA SW-846 Method 8151; and
 - Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471;
- Subsurface Soil Samples:
 - VOCs in accordance with USEPA SW-846 Method 8260;
 - SVOCs in accordance with USEPA SW-846 Method 8270;
 - Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471; and
 - Total cyanide and/or free cyanide in accordance with USEPA SW-846 Method 9012 and/or USEPA SW-846 Methods 9013/ASTM D4248, respectively;
- Groundwater Samples:
 - VOCs in accordance with USEPA SW-846 Method 8260;
 - SVOCs in accordance with USEPA SW-846 Method 8270;
 - Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471; and
 - Total cyanide in accordance with USEPA SW-846 Method 9012.

Subsurface soil samples collected from soil borings CGSB-79 and CGSB-79B were also analyzed for PCBs, pesticides, and herbicides in accordance with USEPA SW-846 Methods 8082, 8081, and 8151, respectively.

The results of the SRI activities completed between May and June 2006 were presented in the *Supplemental Remedial Investigation (SRI) Interim Data Summary* (National Grid 2009b). The SRI soil boring locations are shown on Figure 3 and the soil boring and well construction logs are provided in Attachment A. Visible impacts (if any) observed in the SRI soil borings are summarized in Table 1. Monitoring well construction details and water level measurements collected during the SRI are summarized in Tables 2 and 3, respectively. Tables 5 and 6 summarize the SRI surface soil and subsurface soil sample results, respectively, and identify the lower of the restricted use SCOs for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of 6 NYCRR 375. Sample concentrations that exceed the applicable SCOs are shaded gray.

Table 7 summarizes the final (stabilized) groundwater field parameters and physical observations of the monitoring well purge water that were recorded before the SRI groundwater samples were collected. The SRI groundwater sample results are summarized in Table 8. Table 8 also identifies the available New York State Class GA ambient water quality standards and guidance values from the NYSDEC Division of Water's TOGS 1.1.1, titled *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*

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(NYSDEC 1998). Sample concentrations that exceed the applicable New York State Class GA ambient water quality standards or guidance values are shaded gray.

Conclusion

As summarized in Table 1, visible impacts (e.g., sheens, coatings, etc.) were generally observed in the off-Site soil borings located closest to the Site properties or Gowanus Canal (CGSB-26, CGSB-31, CGSB-33, CGSB-39, CGSB-42, CGSB-44, CGSB-48, CGSB-52, CGSB-58, CGSB-79, CGSB-143, CGSB-146, and CGSB-147). Further, where observed, the majority of those visible impacts were located below the groundwater table and generally at depths greater than 20 feet below existing grade. Visible impacts were not observed in any of the off-Site soil borings drilled west of Smith Street (CGSB-53, CGSB-54 [2006], CGSB-54 [2010], CGSB-54B, CGSB-55 [2006], CGSB-55 [2010], CGSB-55B, CGSB-145, CGSB-150, and CGSB-151), along 3rd Street to the northeast of the Site (CGSB-97 and CGSB-98), and along 2nd Avenue and 9th Street on the west side of the Gowanus Canal (CGSB-59, CGSB-60, CGSB-95, and CGSB-96). As described in Section 6.5.5 of the RI Report, potential receptors for off-Site surface soil, subsurface soil, and shallow groundwater impacts are limited to utility workers and future construction workers. There is no complete exposure pathway from either soil or groundwater for the public and off-Site property owners due to the general lack of exposed surface soils and the depth of the impacts. Groundwater is generally located over 10 feet below existing grade and is not used as a source of drinking or process water.

Please let me know if you have any questions regarding the information presented herein.

Sincerely,
Arcadis of New York, Inc.



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Principal Environmental Engineer

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CC. Andrew Prophete, National Grid
John Alonzo, de maximis
Terry Young, PE, Arcadis

Mr. Patrick Van Rossem
National Grid
November 10, 2021

Enclosures:

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Attachments:

- Attachment A. Soil Boring, Well Construction, and Test Pit Logs

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- GEI. 2003. *Remedial Investigation Work Plan*. Former Citizens Gas Works MGP Site, Carroll Gardens/Public Place, Brooklyn, New York. Prepared for KeySpan Energy Corporation. February 11.
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Tables

Table 1
Soil Investigation Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Location ID | Date Completed | Off-Site Property or General Location | Easting (feet NAD83) | Northing (feet NAD83) | Ground Surface Elevation (feet NAVD88) | Total Depth (feet bgs) | Visible Impacts Observed | | |
|-------------------------------|-----------------|--|----------------------|-----------------------|--|------------------------|--|----------------------------------|--|
| | | | | | | | Depth Interval (feet bgs) | Elevation Interval (feet NAVD88) | Description |
| Remedial Investigation | | | | | | | | | |
| CGMW-06I | 5/1/2003 | Huntington Street ROW | 631819.70 | 671214.80 | 10.54 | 72.00 | NO LOGGING AT THIS LOCATION | | |
| CGMW-06S | 5/1/2003 | Huntington Street ROW | 631824.40 | 671213.10 | 10.54 | 22.00 | NO LOGGING AT THIS LOCATION | | |
| CGSB-26/CGMW-06D | 5/1/2003 | Huntington Street ROW | 631830.11 | 671211.40 | 10.54 | 140.00 | 5.00 - 7.00 | 5.54 - 3.54 | Black staining. |
| | | | | | | | 7.00 - 17.00 | 3.54 - -6.46 | Spotty sheen. |
| | | | | | | | 27.00 - 32.50 | -16.46 - -21.96 | Heavily tar coated. |
| | | | | | | | 32.50 - 34.50 | -21.96 - -23.96 | Tar coated. |
| | | | | | | | 47.00 - 57.00 | -36.46 - -46.46 | Trace sheen. |
| | | | | | | | 57.00 - 67.00 | -46.46 - -56.46 | Layers coated with tar. |
| | | | | | | | 77.00 - 80.00 | -66.46 - -69.46 | Sheen. |
| 81.50 - 81.50 | -70.96 - -70.96 | Moderate tar coating. | | | | | | | |
| CGSB-31 | 12/22/2004 | Smith Street ROW | 631569.80 | 671545.50 | 19.40 | 48.00 | 20.00 - 26.00 | -0.60 - -6.60 | Sheen. |
| CGSB-32/CGMW-17 | 1/28/2005 | Smith Street ROW | 631626.90 | 671710.80 | 22.51 | 138.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-33 | 1/4/2005 | Smith Street ROW | 631699.80 | 671924.20 | 28.65 | 48.00 | 22.50 - 28.00 | 6.15 - -8.60 | Sheen. |
| | | | | | | | 28.00 - 30.00 | 0.65 - -10.60 | Sheen. |
| CGSB-39/CGMW-18 | 2/3/2005 | Hoyt Street ROW | 632393.30 | 671912.00 | 14.33 | 78.00 | 21.00 - 24.00 | -6.67 - -4.60 | Heavy sheen. |
| | | | | | | | 35.00 - 38.00 | -20.67 - -18.60 | Slight sheen. |
| CGSB-42 | 12/7/2004 | 4th Street ROW | 632462.70 | 671956.90 | 16.35 | 58.00 | 28.00 - 34.00 | -11.65 - -14.60 | Very slight sheen. |
| CGSB-43/CGMW-12 | 12/16/2004 | 4th Street ROW | 632686.36 | 671816.80 | 9.39 | 108.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-44/CGMW-11 | 12/4/2004 | Bond Street ROW | 632889.65 | 671670.33 | 5.86 | 108.00 | 9.50 - 10.50 | -3.64 - 8.90 | Sheen. |
| | | | | | | | 19.00 - 22.50 | -13.14 - -3.10 | Slight sheen. |
| | | | | | | | 29.00 - 35.00 | -23.14 - -15.60 | Moderately coated with tar, traces of tar-saturated veins. |
| | | | | | | | 35.00 - 38.00 | -29.14 - -18.60 | Tar stained, trace blebs and sheen. |
| | | | | | | | 38.00 - 39.00 | -32.14 - -19.60 | Sheen and blebs in water. |
| | | | | | | | 39.00 - 45.00 | -33.14 - -25.60 | Sheen and blebs. |
| | | | | | | | 45.00 - 45.50 | -39.14 - -26.10 | Trace sheen, lenses of moderately tar-coated grains. |
| | | | | | | | 45.50 - 48.00 | -39.64 - -28.60 | Trace sheen. |
| | | | | | | | 48.00 - 58.00 | -42.14 - -38.60 | Lightly stained. |
| | | | | | | | 58.00 - 60.00 | -52.14 - -40.60 | Tar coated, blebs. |
| | | | | | | | 60.00 - 62.00 | -54.14 - -42.60 | Blebs. |
| | | | | | | | 62.00 - 65.00 | -56.14 - -45.60 | Slight sheen. |
| 68.00 - 72.00 | -62.14 - -52.60 | Tar blebs on outside of core, trace sheen. | | | | | | | |

Table 1
Soil Investigation Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Location ID | Date Completed | Off-Site Property or General Location | Easting (feet NAD83) | Northing (feet NAD83) | Ground Surface Elevation (feet NAVD88) | Total Depth (feet bgs) | Visible Impacts Observed | | |
|--|----------------|---------------------------------------|----------------------|-----------------------|--|------------------------|--|----------------------------------|--|
| | | | | | | | Depth Interval (feet bgs) | Elevation Interval (feet NAVD88) | Description |
| Remedial Investigation (continued) | | | | | | | | | |
| CGSB-48/CGMW-16 | 1/24/2005 | 65 6th Street | 632501.50 | 671286.90 | 6.64 | 164.00 | 20.00 - 21.00 | -13.36 - -1.60 | Sheen. |
| | | | | | | | 21.00 - 22.00 | -14.36 - -2.60 | Tar coated with saturated lenses, sheen. |
| | | | | | | | 22.00 - 22.50 | -15.36 - -3.10 | Tar saturated. |
| | | | | | | | 22.50 - 25.00 | -15.86 - -5.60 | Tar coated with saturated lenses, sheen. |
| | | | | | | | 25.50 - 26.00 | -18.86 - -6.60 | Thin tar lens. |
| | | | | | | | 28.00 - 30.00 | -21.36 - -10.60 | Sheen. |
| | | | | | | | 30.00 - 33.00 | -23.36 - -13.60 | Tar stained, blebs, sheen. |
| | | | | | | | 33.00 - 34.50 | -26.36 - -15.10 | Heavily coated to saturated with tar. |
| | | | | | | | 34.50 - 38.00 | -27.86 - -18.60 | Spotty sheen. |
| | | | | | | | 38.00 - 41.00 | -31.36 - -21.60 | Spotty sheen. |
| | | | | | | | 48.00 - 52.00 | -41.36 - -32.60 | Very spotty sheen. |
| CGSB-49/CGMW-19 | 2/7/2005 | 56 2nd Avenue | 632365.50 | 670895.90 | 8.50 | 128.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-52/CGMW-22 | 3/30/2005 | 37 9th Street | 631973.30 | 671002.20 | 6.05 | 108.00 | 4.00 - 5.00 | 2.05 - 14.40 | Sheen, black stained. |
| | | | | | | | 5.00 - 6.00 | 1.05 - 13.40 | Sheen, black stained veins. |
| | | | | | | | 6.00 - 8.00 | 0.05 - 11.40 | Trace sheen, black stained. |
| | | | | | | | 12.50 - 13.50 | -6.45 - 5.90 | Trace sheen, black stained. |
| | | | | | | | 33.50 - 35.50 | -27.45 - -16.10 | Tar saturated. |
| | | | | | | | 35.50 - 38.00 | -29.45 - -18.60 | Tar saturated veins, sheens. |
| | | | | | | | 38.00 - 42.00 | -31.95 - -22.60 | Sheen. |
| Supplemental Remedial Investigation | | | | | | | | | |
| CGSB-53/CGMW-23 | 6/7/2006 | Nelson Street ROW | 631427.72 | 671647.69 | 24.44 | 36.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-54 | 6/8/2006 | Luquer Street ROW | 631458.94 | 671886.89 | 31.59 | 25.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-54B | 6/20/2006 | Luquer Street ROW | 631327.62 | 671934.29 | 35.31 | 15.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-54/CGMW-24 | 10/14/2010 | Luquer Street ROW | 631493.73 | 671869.87 | 33.33 | 41.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-55 | 6/9/2006 | 4th Place ROW | 631522.36 | 672154.31 | 39.53 | 16.50 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-55B | 6/15/2006 | 4th Place ROW | 631522.36 | 672154.31 | 39.53 | 20.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-55/CGMW-25 | 7/1/2010 | 4th Place ROW | 631611.65 | 672157.11 | 43.09 | 34.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-56/CGMW-26 | 6/5/2006 | Hoyt Street ROW | 632429.38 | 672056.77 | 21.19 | 31.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-57/CGMW-27 | 6/21/2006 | 4th Street ROW | 632584.24 | 671910.42 | 12.55 | 45.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-58 | 5/20/2006 | Bond Street ROW | 632970.08 | 671758.69 | 7.31 | 69.00 | 28.00 - 32.00 | -20.69 - -24.69 | Slight blebs. |
| | | | | | | | 32.00 - 34.50 | -24.69 - -27.19 | Slight sheen. |
| | | | | | | | 34.50 - 36.00 | -27.19 - -28.69 | Moderate tar sheen, 25% tar coated. |
| CGSB-59/CGMW-29 | 6/9/2006 | 7th Street ROW | 632988.54 | 670748.59 | 8.93 | 45.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-60/CGMW-32 | 6/6/2006 | 9th Street ROW | 632059.30 | 670721.93 | 5.24 | 49.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |

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| Location ID | Date Completed | Off-Site Property or General Location | Easting (feet NAD83) | Northing (feet NAD83) | Ground Surface Elevation (feet NAVD88) | Total Depth (feet bgs) | Visible Impacts Observed | | |
|--|-----------------|---------------------------------------|----------------------|-----------------------|--|------------------------|--|----------------------------------|--|
| | | | | | | | Depth Interval (feet bgs) | Elevation Interval (feet NAVD88) | Description |
| Supplemental Remedial Investigation (continued) | | | | | | | | | |
| CGSB-79 | 12/22/2009 | 98 4th Street | 632684.60 | 671652.20 | 6.42 | 64.00 | 8.00 - 10.00 | -1.58 - -3.58 | Black stained. |
| | | | | | | | 10.00 - 12.00 | -3.58 - -5.58 | Petroleum staining. |
| | | | | | | | 12.00 - 14.00 | -5.58 - -7.58 | Black staining, blebs and globs. |
| | | | | | | | 14.00 - 16.00 | -7.58 - -9.58 | Petroleum saturated, sheen. |
| | | | | | | | 16.00 - 17.00 | -9.58 - -10.58 | Petroleum staining. |
| | | | | | | | 29.80 - 30.00 | -23.38 - -23.58 | Tar staining and tar coated grains. |
| | | | | | | | 30.00 - 32.00 | -23.58 - -25.58 | Tar coated grains. |
| | | | | | | | 32.00 - 34.00 | -25.58 - -27.58 | Tar coated grains. |
| | | | | | | | 34.00 - 36.00 | -27.58 - -29.58 | Tar coated grains in sand lens at base of sample |
| | | | | | | | 36.00 - 38.00 | -29.58 - -31.58 | Tar coated/saturated grains. |
| | | | | | | | 38.00 - 40.00 | -31.58 - -33.58 | Tar coated grains, sheen. |
| | | | | | | | 40.00 - 42.00 | -33.58 - -35.58 | Slight sheen. |
| | | | | | | | 42.00 - 44.00 | -35.58 - -37.58 | Tar coated lenses and staining. |
| 44.00 - 46.00 | -37.58 - -39.58 | Tar coated lenses and staining. | | | | | | | |
| 46.00 - 48.00 | -39.58 - -41.58 | Tar coated grains, sheen. | | | | | | | |
| CGSB-79B | 12/22/2009 | 98 4th Street | 632689.56 | 671652.19 | 6.42 | 16.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-95/CGMW-40 | 2/12/2010 | 2nd Avenue ROW | 633098.00 | 670998.60 | 7.59 | 62.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-96 | 2/16/2010 | 2nd Avenue ROW | 633239.90 | 671218.20 | 6.97 | 62.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-97 | 2/18/2010 | 3rd Street ROW | 632974.70 | 671950.50 | 11.99 | 46.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-98 | 2/17/2010 | 3rd Street ROW | 633314.40 | 671788.30 | 7.41 | 46.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-143 | 5/11/2013 | 140 3rd Street | 633136.11 | 671618.76 | 2.06 | 50.00 | 3.80 - 5.00 | -1.74 - -2.94 | Black stained. |
| | | | | | | | 12.00 - 13.90 | -9.94 - -11.84 | Sheen, tar staining. |
| | | | | | | | 15.00 - 17.90 | -12.94 - -15.84 | Spots of sheen. |
| | | | | | | | 30.00 - 32.00 | -27.94 - -29.94 | Spots of sheen. |
| | | | | | | | 32.80 - 33.40 | -30.74 - -31.34 | Tar coated. |
| | | | | | | | 33.40 - 34.40 | -31.34 - -32.34 | Blebs and pockets of coating. |
| | | | | | | | 35.00 - 35.50 | -32.94 - -33.44 | Sheen, heavy staining. |
| | | | | | | | 35.50 - 35.80 | -33.44 - -33.74 | Sheen. |
| | | | | | | | 35.80 - 37.20 | -33.74 - -35.14 | Sheen. |
| | | | | | | | 37.80 - 37.80 | -35.74 - -35.74 | Slight sheen. |
| 48.20 - 50.00 | -46.14 - -47.94 | Spots of sheen. | | | | | | | |
| CGSB-145/CGMW-44 | 11/20/2012 | 9th Street ROW | 631320.70 | 671128.55 | 14.86 | 80.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-146 | 11/7/2012 | 503 Smith Street | 631409.74 | 670918.54 | 11.53 | 80.00 | 10.00 - 11.90 | 1.53 - -0.37 | Black staining. |

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|--|----------------|---------------------------------------|----------------------|-----------------------|--|------------------------|--|----------------------------------|---------------------|
| | | | | | | | Depth Interval (feet bgs) | Elevation Interval (feet NAVD88) | Description |
| Supplemental Remedial Investigation (continued) | | | | | | | | | |
| CGSB-147 | 11/8/2012 | 527 Smith Street | 631287.78 | 670636.92 | 7.80 | 80.00 | 5.00 - 8.60 | 6.53 - 2.93 | Black tar staining. |
| | | | | | | | 8.60 - 10.00 | 2.93 - 1.53 | Black staining. |
| | | | | | | | 25.70 - 25.80 | -14.17 - -14.27 | Tar band. |
| CGSB-150/CGMW-46 | 5/20/2013 | Garnet Street ROW | 631262.83 | 670880.89 | 11.28 | 35.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSB-151/CGMW-47 | 5/20/2013 | Centre Street ROW | 631191.63 | 670640.89 | 8.32 | 35.00 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| CGSS-23 | 12/17/2009 | 98 4th Street | 632681.71 | 671656.02 | 9.50 | 0.50 | NO LOGGING AT THIS LOCATION | | |
| Barrier Wall Pilot Test Program | | | | | | | | | |
| CGTP-205 | 12/10/2012 | 98 4th Street | 632740.62 | 671670.05 | 7.00 | 9.50 | NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION | | |
| | | | 632748.31 | 671670.08 | | | | | |
| | | | 632748.34 | 671662.40 | | | | | |
| | | | 632740.66 | 671662.37 | | | | | |

Notes:

1. Horizontal reference datum is the North American Datum of 1983 (NAD83), New York State Plane East Zone.
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. bgs: below ground surface.
4. ROW: right-of-way.

Table 2
Monitoring Well Construction Summary
Data Summary Report for Off-Site Area

National Grid
 Former Citizens Gas Works Manufactured Gas Plant Site
 Borough of Brooklyn, Kings County, New York
 NYSDEC Site No. 224012

| Location ID | Date Completed | Easting (feet NAD83) | Northing (feet NAD83) | Measuring Point Elevation (feet NAVD88) | Ground Surface Elevation (feet NAVD88) | Casing Type | Screen Type | Nominal Diameter (inches) | Screen Slot Size (inches) | Screen Length (feet) | Screened Interval | | Sump Length (feet) | Total Depth (feet bgs) |
|-------------------------------|----------------|----------------------|-----------------------|---|--|-------------|-------------|---------------------------|---------------------------|----------------------|-------------------|-------------------------|--------------------|------------------------|
| | | | | | | | | | | | Depth (feet bgs) | Elevation (feet NAVD88) | | |
| Remedial Investigation | | | | | | | | | | | | | | |
| CGMW-06S | NA | 631824.40 | 671213.10 | 10.07 | 10.57 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 10.00 - 20.00 | 0.57 - -9.43 | 2.00 | 22.00 |
| CGMW-06I | NA | 631819.70 | 671214.80 | 10.31 | 10.67 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 60.00 - 70.00 | -49.33 - -59.33 | 2.00 | 72.00 |
| CGMW-06D | 5/1/2003 | 631830.11 | 671211.40 | 9.94 | 10.54 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 120.00 - 130.00 | -109.46 - -119.46 | 2.00 | 132.00 |
| CGMW-11 | 12/14/2004 | 632889.65 | 671670.33 | 5.48 | 5.86 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 58.58 - 68.58 | -52.72 - -62.72 | 2.00 | 70.58 |
| CGMW-12 | 12/16/2004 | 632686.36 | 671816.80 | 9.09 | 9.39 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 8.08 - 18.08 | 1.31 - -8.69 | 2.00 | 20.08 |
| CGMW-16 CH1 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 12.01 - 12.26 | -4.79 - -5.04 | 0.00 | 12.26 |
| CGMW-16 CH2 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 18.01 - 18.26 | -10.79 - -11.04 | 0.00 | 18.26 |
| CGMW-16 CH3 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 29.05 - 29.30 | -21.83 - -22.08 | 0.00 | 29.30 |
| CGMW-16 CH4 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 48.13 - 48.38 | -40.91 - -41.16 | 0.00 | 48.38 |
| CGMW-16 CH5 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 68.90 - 69.15 | -61.68 - -61.93 | 0.00 | 69.15 |
| CGMW-16 CH6 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 122.13 - 122.38 | -114.91 - -115.16 | 0.00 | 122.38 |
| CGMW-16 CH7 | 1/24/2005 | 632501.52 | 671286.89 | 6.64 | 7.22 | PE CMT | SS Mesh | 0.38 | NA | 0.25 | 140.03 - 140.28 | -132.81 - -133.06 | 0.00 | 140.28 |
| CGMW-17 CH1 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 16.74 - 16.99 | 5.77 - 5.52 | 0.00 | 16.99 |
| CGMW-17 CH2 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 27.15 - 27.40 | -4.64 - -4.89 | 0.00 | 27.40 |
| CGMW-17 CH3 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 34.23 - 34.48 | -11.72 - -11.97 | 0.00 | 34.48 |
| CGMW-17 CH4 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 74.35 - 74.60 | -51.84 - -52.09 | 0.00 | 74.60 |
| CGMW-17 CH5 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 84.15 - 84.40 | -61.64 - -61.89 | 0.00 | 84.40 |
| CGMW-17 CH6 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 124.35 - 124.60 | -101.84 - -102.09 | 0.00 | 124.60 |
| CGMW-17 CH7 | 1/28/2005 | 631626.90 | 671710.78 | 22.11 | 22.51 | PE CMT | SS Mesh | 0.38 | NA | 0.25 | 137.35 - 137.60 | -114.84 - -115.09 | 0.00 | 137.60 |
| CGMW-18 CH1 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 13.10 - 13.35 | 1.23 - 0.98 | 0.00 | 13.35 |
| CGMW-18 CH2 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 22.10 - 22.35 | -7.77 - -8.02 | 0.00 | 22.35 |
| CGMW-18 CH3 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 30.11 - 30.36 | -15.78 - -16.03 | 0.00 | 30.36 |
| CGMW-18 CH4 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 13.10 - 13.35 | 1.23 - 0.98 | 0.00 | 13.35 |
| CGMW-18 CH5 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 55.11 - 55.36 | -40.78 - -41.03 | 0.00 | 55.36 |
| CGMW-18 CH6 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 70.26 - 70.51 | -55.93 - -56.18 | 0.00 | 70.51 |
| CGMW-18 CH7 | 2/3/2005 | 632393.33 | 671911.98 | 14.07 | 14.33 | PE CMT | SS Mesh | 0.38 | NA | 0.25 | 77.11 - 77.36 | -62.78 - -63.03 | 0.00 | 77.36 |
| CGMW-19 CH1 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 10.60 - 10.85 | -2.10 - -2.35 | 0.00 | 10.85 |
| CGMW-19 CH2 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 23.59 - 23.84 | -15.09 - -15.34 | 0.00 | 23.84 |
| CGMW-19 CH3 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 30.65 - 30.90 | -22.15 - -22.40 | 0.00 | 30.90 |
| CGMW-19 CH4 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 74.60 - 74.85 | -66.10 - -66.35 | 0.00 | 74.85 |
| CGMW-19 CH5 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 84.60 - 84.85 | -76.10 - -76.35 | 0.00 | 84.85 |
| CGMW-19 CH6 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 115.60 - 115.85 | -107.10 - -107.35 | 0.00 | 115.85 |
| CGMW-19 CH7 | 2/7/2005 | 632365.50 | 670895.90 | 8.25 | 8.50 | PE CMT | SS Mesh | 0.38 | NA | 0.25 | 116.60 - 116.85 | -108.10 - -108.35 | 0.00 | 116.85 |

Table 2
Monitoring Well Construction Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Location ID | Date Completed | Easting (feet NAD83) | Northing (feet NAD83) | Measuring Point Elevation (feet NAVD88) | Ground Surface Elevation (feet NAVD88) | Casing Type | Screen Type | Nominal Diameter (inches) | Screen Slot Size (inches) | Screen Length (feet) | Screened Interval | | | | Sump Length (feet) | Total Depth (feet bgs) |
|--|----------------|----------------------|-----------------------|---|--|-------------|-------------|---------------------------|---------------------------|----------------------|-------------------|-----------------|-------------------------|-------|--------------------|------------------------|
| | | | | | | | | | | | Depth (feet bgs) | | Elevation (feet NAVD88) | | | |
| Remedial Investigation (continued) | | | | | | | | | | | | | | | | |
| CGMW-22 CH1 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 11.73 - 11.98 | -5.68 - -5.93 | 0.00 | 11.98 | | |
| CGMW-22 CH2 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 27.80 - 28.05 | -21.75 - -22.00 | 0.00 | 28.05 | | |
| CGMW-22 CH3 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 39.78 - 40.03 | -33.73 - -33.98 | 0.00 | 40.03 | | |
| CGMW-22 CH4 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 51.89 - 52.14 | -45.84 - -46.09 | 0.00 | 52.14 | | |
| CGMW-22 CH5 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 63.90 - 64.15 | -57.85 - -58.10 | 0.00 | 64.15 | | |
| CGMW-22 CH6 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.44 | NA | 0.25 | 81.83 - 82.08 | -75.78 - -76.03 | 0.00 | 82.08 | | |
| CGMW-22 CH7 | 3/30/2005 | 631973.28 | 671002.23 | 5.57 | 6.05 | PE CMT | SS Mesh | 0.38 | NA | 0.25 | 96.83 - 97.08 | -90.78 - -91.03 | 0.00 | 97.08 | | |
| Supplemental Remedial Investigation | | | | | | | | | | | | | | | | |
| CGMW-23 | 6/7/2006 | 631427.72 | 671647.69 | 24.12 | 24.44 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 17.00 - 27.00 | 7.44 - -2.56 | 0.00 | 27.00 | | |
| CGMW-24 | 10/14/2010 | 631493.70 | 671869.90 | 33.12 | 33.33 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 18.00 - 28.00 | 15.33 - 5.33 | 0.00 | 28.00 | | |
| CGMW-25 | 7/1/2010 | 631611.70 | 672157.10 | 42.74 | 43.09 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 22.00 - 32.00 | 21.09 - 11.09 | 0.00 | 32.00 | | |
| CGMW-26 | 6/5/2006 | 632429.38 | 672056.77 | 20.97 | 21.19 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 15.00 - 25.00 | 6.19 - -3.81 | 0.00 | 25.00 | | |
| CGMW-27 | 6/21/2006 | 632584.25 | 671910.42 | 12.32 | 12.55 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 3.00 - 13.00 | 9.55 - -0.45 | 0.00 | 13.00 | | |
| CGMW-29 | 6/9/2006 | 632988.54 | 670748.59 | 8.53 | 8.93 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 3.00 - 13.00 | 5.93 - -4.07 | 0.00 | 13.00 | | |
| CGMW-32 | 6/6/2006 | 632059.30 | 670721.93 | 4.97 | 5.24 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 2.00 - 12.00 | 3.24 - -6.76 | 0.00 | 12.00 | | |
| CGMW-40 | 2/12/2010 | 633098.00 | 670998.60 | 7.59 | 7.89 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 10.00 - 20.00 | -2.11 - -12.11 | 0.00 | 20.00 | | |
| CGMW-44 | 11/20/2012 | 631320.70 | 671128.55 | NA | 14.86 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 10.00 - 20.00 | 4.86 - -5.14 | 2.00 | 22.00 | | |
| CGMW-46 | 5/20/2013 | 631262.83 | 670880.89 | 10.99 | 11.28 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 9.00 - 19.00 | 2.28 - -7.72 | 0.00 | 19.00 | | |
| CGMW-47 | 5/20/2013 | 631191.63 | 670640.89 | 7.88 | 8.32 | Sch. 40 PVC | Sch. 40 PVC | 2.0 | 0.010 | 10.00 | 8.00 - 18.00 | 0.32 - -9.68 | 0.00 | 18.00 | | |

Notes:

- Well construction details for monitoring wells CGMW-06S, CGMS-06I, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22 are based on information presented in Section 2.2.2.3 and Table 3 of the *Final Remedial Investigation Report* (GEI 2005).
- Horizontal reference datum is the North American Datum of 1983 (NAD83), New York State Plane East Zone.
- Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
- bgs: below ground surface.
- CMT: continuous multichannel tubing.
- NA: not available.
- PE: polyethylene.
- PVC: polyvinyl chloride.
- Sch.: Schedule.
- SS: stainless steel.

Table 3
Summary of Measured Groundwater Depths and Elevations
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Location ID | Measuring Point Elevation (feet NAVD88) | Remedial Investigation | | | | | | | | | | | | | | Supplemental Remedial Investigation | | | | | | | | | |
|-------------|---|------------------------------|----------|-------------------------------------|----------|------------------------------|----------|-------------------------------------|----------|------------------------------|----------|-------------------------------------|----------|------------------------------|----------|-------------------------------------|----------|------------------------------|----------|-------------------------------------|----------|------------------------------|----------|-------------------------------------|------|
| | | June 5, 2003 | | | | July 10, 2003 | | | | April 4, 2005 | | | | April 11, 2005 | | | | January 9, 2008 | | March 5, 2008 | | March 6, 2008 | | | |
| | | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | |
| | | High Tide | Low Tide | High Tide | Low Tide | Low Tide | Low Tide | High Tide | Low Tide | High Tide | Low Tide | High Tide | Low Tide | High Tide | Low Tide | Low Tide | Low Tide | Low Tide | Low Tide | High Tide | Low Tide | High Tide | Low Tide | | |
| CGMW-06S | 10.07 | 6.39 | 6.40 | 3.68 | 3.67 | 6.65 | 3.42 | 6.76 | 8.81 | 3.31 | 1.26 | 6.34 | 6.28 | 3.73 | 3.79 | 8.69 | 1.38 | NM | NM | NM | NM | NM | NM | | |
| CGMW-06I | 10.31 | 9.73 | 10.20 | 0.58 | 0.11 | 9.61 | 0.70 | NM | NM | NM | NM | | |
| CGMW-06D | 9.94 | 9.65 | 9.85 | 0.29 | 0.09 | 9.25 | 0.69 | 8.25 | 8.52 | 1.69 | 1.42 | 8.07 | 8.34 | 1.87 | 1.60 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-11 | 5.48 | NM | NM | NM | NM | NM | NM | 2.89 | 3.60 | 2.59 | 1.88 | 2.91 | 3.52 | 2.57 | 1.96 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-12 | 9.09 | NM | NM | NM | NM | NM | NM | 5.47 | 5.70 | 3.62 | 3.39 | 5.42 | 5.45 | 3.67 | 3.64 | 5.66 | 3.43 | 5.53 | 3.56 | 6.89 | 5.99 | 2.20 | 3.10 | | |
| CGMW-16 CH1 | 6.64 | NM | NM | NM | NM | NM | NM | 3.52 | 3.51 | 3.12 | 3.13 | 3.72 | 3.64 | 2.92 | 3.00 | NM | NM | NM | NM | 4.79 | 4.47 | 1.85 | 2.17 | | |
| CGMW-16 CH2 | 6.64 | NM | NM | NM | NM | NM | NM | 5.32 | 4.66 | 1.32 | 1.98 | 5.49 | 5.30 | 1.15 | 1.34 | NM | NM | NM | NM | 4.43 | 4.44 | 2.21 | 2.20 | | |
| CGMW-16 CH3 | 6.64 | NM | NM | NM | NM | NM | NM | 4.22 | 5.42 | 2.42 | 1.22 | 4.31 | 5.45 | 2.33 | 1.19 | NM | NM | NM | NM | 3.67 | 3.85 | 2.97 | 2.79 | | |
| CGMW-16 CH4 | 6.64 | NM | NM | NM | NM | NM | NM | 3.78 | 4.91 | 2.86 | 1.73 | 3.91 | 5.12 | 2.73 | 1.52 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-16 CH5 | 6.64 | NM | NM | NM | NM | NM | NM | 6.45 | 3.51 | 0.19 | 3.13 | 4.92 | 4.42 | 1.72 | 2.22 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-16 CH6 | 6.64 | NM | NM | NM | NM | NM | NM | 2.31 | 2.43 | 4.33 | 4.21 | 2.29 | 2.13 | 4.35 | 4.51 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-16 CH7 | 6.64 | NM | NM | NM | NM | NM | NM | 3.76 | 3.90 | 2.88 | 2.74 | 3.50 | 3.50 | 3.14 | 3.14 | NM | NM | NM | NM | 3.16 | 3.45 | 3.48 | 3.19 | | |
| CGMW-17 CH1 | 22.11 | NM | NM | NM | NM | NM | NM | 14.95 | 15.06 | 7.16 | 7.05 | 14.65 | 14.60 | 7.46 | 7.51 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-17 CH2 | 22.11 | NM | NM | NM | NM | NM | NM | 14.99 | 15.13 | 7.12 | 6.98 | 14.72 | 14.62 | 7.39 | 7.49 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-17 CH3 | 22.11 | NM | NM | NM | NM | NM | NM | 19.80 | 19.99 | 2.31 | 2.12 | 20.03 | 20.07 | 2.08 | 2.04 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-17 CH4 | 22.11 | NM | NM | NM | NM | NM | NM | 20.00 | 19.93 | 2.11 | 2.18 | 19.86 | 19.82 | 2.25 | 2.29 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-17 CH5 | 22.11 | NM | NM | NM | NM | NM | NM | 19.79 | 19.86 | 2.32 | 2.25 | 19.69 | 19.69 | 2.42 | 2.42 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-17 CH6 | 22.11 | NM | NM | NM | NM | NM | NM | 19.89 | 20.01 | 2.22 | 2.10 | 19.81 | 19.79 | 2.30 | 2.32 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-17 CH7 | 22.11 | NM | NM | NM | NM | NM | NM | 19.29 | 19.30 | 2.82 | 2.81 | 19.82 | 11.17 | 2.29 | 10.94 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-18 CH1 | 14.07 | NM | NM | NM | NM | NM | NM | 8.93 | 8.95 | 5.14 | 5.12 | 8.79 | 8.74 | 5.28 | 5.33 | NM | NM | 9.33 | 4.74 | 9.51 | 9.46 | 4.56 | 4.61 | | |
| CGMW-18 CH2 | 14.07 | NM | NM | NM | NM | NM | NM | 11.62 | 11.73 | 2.45 | 2.34 | 11.50 | 11.53 | 2.57 | 2.54 | NM | NM | 11.50 | 2.57 | 11.52 | 11.73 | 2.55 | 2.34 | | |
| CGMW-18 CH3 | 14.07 | NM | NM | NM | NM | NM | NM | 11.64 | 12.11 | 2.43 | 1.96 | 11.69 | 11.84 | 2.38 | 2.23 | NM | NM | 11.57 | 2.50 | 11.50 | 11.82 | 2.57 | 2.25 | | |
| CGMW-18 CH4 | 14.07 | NM | NM | NM | NM | NM | NM | 8.91 | 8.93 | 5.16 | 5.14 | 8.82 | 8.75 | 5.25 | 5.32 | NM | NM | 9.36 | 4.71 | 9.53 | 9.47 | 4.54 | 4.60 | | |
| CGMW-18 CH5 | 14.07 | NM | NM | NM | NM | NM | NM | 11.29 | 11.40 | 2.78 | 2.67 | 11.42 | 11.32 | 2.65 | 2.75 | NM | NM | 11.14 | 2.93 | 11.16 | 11.20 | 2.91 | 2.87 | | |
| CGMW-18 CH6 | 14.07 | NM | NM | NM | NM | NM | NM | 11.34 | 11.37 | 2.73 | 2.70 | 11.23 | 11.35 | 2.84 | 2.72 | NM | NM | 11.15 | 2.92 | 11.11 | 11.22 | 2.96 | 2.85 | | |
| CGMW-18 CH7 | 14.07 | NM | NM | NM | NM | NM | NM | 11.29 | 11.42 | 2.78 | 2.65 | 11.22 | 11.27 | 2.85 | 2.80 | NM | NM | 11.05 | 3.02 | 11.12 | 11.17 | 2.95 | 2.90 | | |
| CGMW-19 CH1 | 8.25 | NM | NM | NM | NM | NM | NM | 6.26 | 6.78 | 1.99 | 1.47 | 6.34 | 6.62 | 1.91 | 1.63 | NM | NM | 6.82 | 1.43 | NM | NM | NM | NM | | |
| CGMW-19 CH2 | 8.25 | NM | NM | NM | NM | NM | NM | 6.02 | 7.12 | 2.23 | 1.13 | 6.09 | 7.15 | 2.16 | 1.10 | NM | NM | 6.75 | 1.50 | NM | 7.48 | NM | 0.77 | | |
| CGMW-19 CH3 | 8.25 | NM | NM | NM | NM | NM | NM | 5.84 | 6.37 | 2.41 | 1.88 | 6.06 | 6.34 | 2.19 | 1.91 | NM | NM | 5.38 | 2.87 | NM | 6.47 | NM | 1.78 | | |
| CGMW-19 CH4 | 8.25 | NM | NM | NM | NM | NM | NM | 5.59 | 5.61 | 2.66 | 2.64 | 5.69 | 5.68 | 2.56 | 2.57 | NM | NM | 5.56 | 2.69 | NM | 5.55 | NM | 2.70 | | |
| CGMW-19 CH5 | 8.25 | NM | NM | NM | NM | NM | NM | 5.45 | 5.43 | 2.80 | 2.82 | 5.59 | 5.58 | 2.66 | 2.67 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-19 CH6 | 8.25 | NM | NM | NM | NM | NM | NM | 4.88 | 4.87 | 3.37 | 3.38 | 5.01 | 5.04 | 3.24 | 3.21 | NM | NM | 4.84 | 3.41 | NM | 5.04 | NM | 3.21 | | |
| CGMW-19 CH7 | 8.25 | NM | NM | NM | NM | NM | NM | 4.66 | 4.59 | 3.59 | 3.66 | 4.88 | 4.65 | 3.37 | 3.60 | NM | NM | 5.03 | 3.22 | NM | 5.14 | NM | 3.11 | | |
| CGMW-22 CH1 | 5.57 | NM | NM | NM | NM | NM | NM | 4.19 | 4.94 | 1.38 | 0.63 | 4.00 | 5.07 | 1.57 | 0.50 | NM | NM | 5.11 | 0.46 | 4.10 | 5.32 | 1.47 | 0.25 | | |
| CGMW-22 CH2 | 5.57 | NM | NM | NM | NM | NM | NM | 3.92 | 4.10 | 1.65 | 1.47 | 4.08 | 4.28 | 1.49 | 1.29 | NM | NM | 3.87 | 1.70 | 4.20 | 4.45 | 1.37 | 1.12 | | |
| CGMW-22 CH3 | 5.57 | NM | NM | NM | NM | NM | NM | 3.36 | 4.37 | 2.21 | 1.20 | 3.27 | 4.37 | 2.30 | 1.20 | NM | NM | 4.09 | 1.48 | 4.16 | 4.59 | 1.41 | 0.98 | | |
| CGMW-22 CH4 | 5.57 | NM | NM | NM | NM | NM | NM | 3.51 | 4.12 | 2.06 | 1.45 | 3.39 | 4.10 | 2.18 | 1.47 | NM | NM | 4.05 | 1.52 | 3.49 | 4.26 | 2.08 | 1.31 | | |
| CGMW-22 CH5 | 5.57 | NM | NM | NM | NM | NM | NM | 3.46 | 3.99 | 2.11 | 1.58 | 3.39 | 4.06 | 2.18 | 1.51 | NM | NM | NM | NM | NM | NM | NM | NM | | |
| CGMW-22 CH6 | 5.57 | NM | NM | NM | NM | NM | NM | 3.54 | 3.95 | 2.03 | 1.62 | 3.47 | 3.89 | 2.10 | 1.68 | NM | NM | 4.35 | 1.22 | 3.31 | 3.81 | 2.26 | 1.76 | | |
| CGMW-22 CH7 | 5.57 | NM | NM | NM | NM | NM | NM | 3.62 | 4.23 | 1.95 | 1.34 | 2.69 | 3.93 | 2.88 | 1.64 | NM | NM | 4.80 | 0.77 | 3.51 | 4.04 | 2.06 | 1.53 | | |
| CGMW-23 | 24.12 | NM | NM | NM | NM | NM | NM | NM | 18.86 | NM | 5.26 | | |
| CGMW-24 | 33.12 | NM | NM | NM | NM | NM | NM | | |
| CGMW-25 | 42.74 | NM | NM | NM | NM | NM | NM | | |
| CGMW-26 | 20.97 | NM | NM | NM | NM | NM | NM | 18.11 | 2.86 | 18.14 | 18.20 | 2.83 | 2.77 |
| CGMW-27 | 12.32 | NM | NM | NM | NM | NM | NM | 7.76 | 4.56 | 7.89 | 7.90 | 4.43 | 4.42 |
| CGMW-29 | 8.53 | NM | NM | NM | NM | NM | NM | 6.46 | 2.07 | 6.62 | 6.63 | 1.91 | 1.90 |
| CGMW-32 | 4.97 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | 1.73 | 3.24 | 1.90 | 3.07 | 1.62 | 1.64 | 3.35 | 3.33 | | |
| CGMW-40 | 7.59 | NM | NM | NM | NM | NM | NM | NM | |
| CGMW-44 | NA | NM | NM | NM | NM | NM | NM | NM | |
| CGMW-46 | 10.99 | NM | NM | NM | NM | NM | NM | NM | |
| CGMW-47 | 7.88 | NM | NM | NM | NM | NM | NM | NM | |

Table 3
Summary of Measured Groundwater Depths and Elevations
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Location ID | Measuring Point Elevation (feet NAVD88) | Supplemental Remedial Investigation | | | | | | | | | | | | | | | |
|-------------|---|-------------------------------------|-------------------------------------|------------------------------|----------|-------------------------------------|----------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|
| | | March 7, 2008 | | April 28, 2010 | | | | July 26, 2010 | | August 23, 2010 | | September 29, 2010 | | October 22, 2010 | | November 22, 2010 | |
| | | Groundwater Depth (feet bmp) | Groundwater Elevation (feet NAVD88) | Groundwater Depth (feet bmp) | | Groundwater Elevation (feet NAVD88) | | Groundwater Depth (feet bmp) | Groundwater Elevation (feet NAVD88) | Groundwater Depth (feet bmp) | Groundwater Elevation (feet NAVD88) | Groundwater Depth (feet bmp) | Groundwater Elevation (feet NAVD88) | Groundwater Depth (feet bmp) | Groundwater Elevation (feet NAVD88) | Groundwater Depth (feet bmp) | Groundwater Elevation (feet NAVD88) |
| | | | | High Tide | Low Tide | High Tide | Low Tide | | | | | | | | | | |
| CGMW-06S | 10.07 | NM | NM | NM | NM | NM | NM | NM | NM | 6.29 | 3.78 | NM | NM | 7.06 | 3.01 | NM | NM |
| CGMW-06I | 10.31 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-06D | 9.94 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-11 | 5.48 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-12 | 9.09 | 5.85 | 3.24 | 5.54 | 5.56 | 3.55 | 3.53 | 6.65 | 2.44 | 8.12 | 0.97 | 8.17 | 0.92 | 7.94 | 1.15 | NM | NM |
| CGMW-16 CH1 | 6.64 | 4.78 | 1.86 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-16 CH2 | 6.64 | 4.53 | 2.11 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-16 CH3 | 6.64 | 4.34 | 2.30 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-16 CH4 | 6.64 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-16 CH5 | 6.64 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-16 CH6 | 6.64 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-16 CH7 | 6.64 | 3.14 | 3.50 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-17 CH1 | 22.11 | NM | NM | 13.50 | 13.50 | 8.61 | 8.61 | NM | NM | NM | NM | 6.01 | 16.10 | 15.67 | 6.44 | NM | NM |
| CGMW-17 CH2 | 22.11 | NM | NM | 13.64 | 13.65 | 8.47 | 8.46 | NM | NM | NM | NM | 16.15 | 5.96 | 15.74 | 6.37 | NM | NM |
| CGMW-17 CH3 | 22.11 | NM | NM | 18.96 | 19.10 | 3.15 | 3.01 | NM | NM | NM | NM | 19.70 | 2.41 | 19.73 | 2.38 | NM | NM |
| CGMW-17 CH4 | 22.11 | NM | NM | 18.84 | 18.88 | 3.27 | 3.23 | NM | NM | NM | NM | 19.55 | 2.56 | 19.50 | 2.61 | NM | NM |
| CGMW-17 CH5 | 22.11 | NM | NM | 18.95 | 18.45 | 3.16 | 3.66 | NM | NM | NM | NM | 19.54 | 2.57 | 19.51 | 2.60 | NM | NM |
| CGMW-17 CH6 | 22.11 | NM | NM | 18.97 | 18.51 | 3.14 | 3.60 | NM | NM | NM | NM | 19.66 | 2.45 | 19.55 | 2.56 | NM | NM |
| CGMW-17 CH7 | 22.11 | NM | NM | 18.45 | 18.45 | 3.66 | 3.66 | NM | NM | 18.85 | 3.26 | 18.92 | 3.19 | 18.96 | 3.15 | NM | NM |
| CGMW-18 CH1 | 14.07 | 9.45 | 4.62 | 9.28 | 9.22 | 4.79 | 4.85 | 10.20 | 3.87 | 8.62 | 5.45 | 9.15 | 4.92 | 8.92 | 5.15 | NM | NM |
| CGMW-18 CH2 | 14.07 | 11.43 | 2.64 | 10.79 | 10.88 | 3.28 | 3.19 | 11.25 | 2.82 | 11.11 | 2.96 | 11.19 | 2.88 | 11.46 | 2.61 | NM | NM |
| CGMW-18 CH3 | 14.07 | 11.40 | 2.67 | 10.69 | 11.02 | 3.38 | 3.05 | 11.10 | 2.97 | 11.18 | 2.89 | 11.23 | 2.84 | 11.56 | 2.51 | NM | NM |
| CGMW-18 CH4 | 14.07 | 9.44 | 4.63 | 9.10 | 9.23 | 4.97 | 4.84 | 9.27 | 4.80 | 8.61 | 5.46 | 9.62 | 4.45 | 8.70 | 5.37 | NM | NM |
| CGMW-18 CH5 | 14.07 | 11.07 | 3.00 | 10.30 | 10.42 | 3.77 | 3.65 | 10.82 | 3.25 | 10.85 | 3.22 | 11.00 | 3.07 | 11.04 | 3.03 | NM | NM |
| CGMW-18 CH6 | 14.07 | 11.08 | 2.99 | 10.31 | 10.45 | 3.76 | 3.62 | 10.91 | 3.16 | 10.87 | 3.20 | 10.98 | 3.09 | 11.10 | 2.97 | NM | NM |
| CGMW-18 CH7 | 14.07 | 11.07 | 3.00 | 10.29 | 10.41 | 3.78 | 3.66 | NM | NM | 10.94 | 3.13 | 11.08 | 2.99 | NM | NM | NM | NM |
| CGMW-19 CH1 | 8.25 | 5.81 | 2.44 | NM | NM | NM | NM | NM | NM | 6.40 | 1.85 | 6.86 | 1.39 | 6.80 | 1.45 | NM | NM |
| CGMW-19 CH2 | 8.25 | 6.01 | 2.24 | NM | NM | NM | NM | 6.27 | 1.98 | 6.14 | 2.11 | 5.79 | 2.46 | 7.03 | 1.22 | NM | NM |
| CGMW-19 CH3 | 8.25 | 5.76 | 2.49 | NM | NM | NM | NM | 5.64 | 2.61 | 5.84 | 2.41 | 5.74 | 2.51 | 6.37 | 1.88 | NM | NM |
| CGMW-19 CH4 | 8.25 | 5.55 | 2.70 | NM | NM | NM | NM | NM | NM | 5.63 | 2.62 | 5.71 | 2.54 | 5.68 | 2.57 | NM | NM |
| CGMW-19 CH5 | 8.25 | NM | NM | NM | NM | NM | NM | NM | NM | 3.84 | 4.41 | 2.85 | 5.40 | 4.92 | 3.33 | NM | NM |
| CGMW-19 CH6 | 8.25 | 5.03 | 3.22 | NM | NM | NM | NM | NM | NM | 4.88 | 3.37 | 4.96 | 3.29 | 4.90 | 3.35 | NM | NM |
| CGMW-19 CH7 | 8.25 | 4.90 | 3.35 | NM | NM | NM | NM | NM | NM | 4.85 | 3.40 | 4.87 | 3.38 | 5.18 | 3.07 | NM | NM |
| CGMW-22 CH1 | 5.57 | 3.87 | 1.70 | 4.08 | 5.15 | 1.49 | 0.42 | 4.22 | 1.35 | 4.52 | 1.05 | 4.21 | 1.36 | 5.31 | 0.26 | NM | NM |
| CGMW-22 CH2 | 5.57 | 4.22 | 1.35 | 3.28 | 3.57 | 2.29 | 2.00 | 3.73 | 1.84 | 3.71 | 1.86 | 3.60 | 1.97 | 4.08 | 1.49 | NM | NM |
| CGMW-22 CH3 | 5.57 | 3.23 | 2.34 | 2.95 | 3.98 | 2.62 | 1.59 | 3.20 | 2.37 | 3.65 | 1.92 | 3.17 | 2.40 | 4.38 | 1.19 | NM | NM |
| CGMW-22 CH4 | 5.57 | 3.36 | 2.21 | 2.95 | 3.58 | 2.62 | 1.99 | 3.28 | 2.29 | 3.48 | 2.09 | 3.30 | 2.27 | 4.07 | 1.50 | NM | NM |
| CGMW-22 CH5 | 5.57 | NM | NM | 2.96 | 3.07 | 2.61 | 2.50 | 3.03 | 2.54 | 3.16 | 2.41 | 2.30 | 3.27 | 4.36 | 1.21 | NM | NM |
| CGMW-22 CH6 | 5.57 | 3.24 | 2.33 | 2.70 | 3.10 | 2.87 | 2.47 | 3.13 | 2.44 | 3.26 | 2.31 | 3.13 | 2.44 | 3.68 | 1.89 | NM | NM |
| CGMW-22 CH7 | 5.57 | 3.44 | 2.13 | 9.90 | 3.28 | -4.33 | 2.29 | NM | NM | 3.42 | 2.15 | 3.42 | 2.15 | 3.87 | 1.70 | NM | NM |
| CGMW-23 | 24.12 | 18.62 | 5.50 | 17.26 | 17.22 | 6.86 | 6.90 | 17.07 | 7.05 | 18.91 | 5.21 | 19.25 | 4.87 | 18.92 | 5.20 | NM | NM |
| CGMW-24 | 33.12 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-25 | 42.74 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-26 | 20.97 | 18.12 | 2.85 | 17.27 | 17.35 | 3.70 | 3.62 | 15.50 | 5.47 | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-27 | 12.32 | 7.86 | 4.46 | 7.48 | 7.51 | 4.84 | 4.81 | 3.35 | 8.97 | 7.60 | 4.72 | 8.16 | 4.16 | 3.45 | 8.87 | 8.00 | 4.32 |
| CGMW-29 | 8.53 | 7.65 | 0.88 | 6.16 | 6.19 | 2.37 | 2.34 | 6.08 | 2.45 | 5.57 | 2.96 | 2.41 | 6.12 | 4.94 | 3.59 | NM | NM |
| CGMW-32 | 4.97 | 1.63 | 3.34 | 1.38 | 1.35 | 3.59 | 3.62 | 1.60 | 3.37 | 1.12 | 3.85 | 2.24 | 2.73 | 1.58 | 3.39 | NM | NM |
| CGMW-40 | 7.59 | NM | NM | NM | NM | NM | NM | 6.93 | 0.66 | 6.30 | 1.29 | 6.40 | 1.19 | 6.90 | 0.69 | NM | NM |
| CGMW-44 | NA | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-46 | 10.99 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| CGMW-47 | 7.88 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |

Notes:

1. Groundwater depths and elevations summarized in this table for June 5, 2003, July 10, 2003, April 4, 2005, and April 11, 2005 are were originally presented in Table 5 of the *Final Remedial Investigation Report* (GEI 2005).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. bmp: below measuring point.
4. NM: not measured.

Table 4
DNAPL Recovery Summary for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| | Investigation: | Remedial Investigation |
|---------------------------------------|----------------------------------|------------------------|
| | Location ID: | CGMW-06I |
| | Screened Interval (feet bgs): | 60.00 to 70.00 |
| | Screened Interval (feet NAVD88): | -49.33 to -59.33 |
| Initial DNAPL Thickness (feet): | | 12.34 |
| DNAPL Thickness After Pumping (feet): | | 0.00 |
| Initial Recovery Time (days): | | 3 |
| Initial Recovery Rate (inches/day): | | 42.20 |
| Total Recovery Time (days): | | 11 |
| Total Recovery Rate (inches/day): | | 13.44 |
| Date | DNAPL Thickness (feet) | |
| 11/5/2004 | 0.00 | |
| 11/8/2004 | 10.55 | |
| 11/9/2004 | 11.00 | |
| 11/10/2004 | 11.10 | |
| 11/12/2004 | 11.99 | |
| 11/15/2004 | 11.24 | |
| 11/16/2004 | 12.32 | |

Notes:

1. Dense non-aqueous phase liquid (DNAPL) recovery data summarized in this table for monitoring well CGMW-06I were originally presented in Table 7 of the *Final Remedial Investigation Report* (GEI 2005).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. bgs: below ground surface.

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ³ | Supplemental Remedial Investigation | |
|---------------------------------------|---|--|--|----------------|
| | | | CGSS-23 CGSS-23 (0-0.5) 0.00 to 0.50 9.50 to 9.00 12/17/2009 | |
| Volatile Organic Compounds | | | | |
| Acetone | | 0.05 | | 0.023 U |
| Benzene | | 0.06 | | 0.0057 U |
| Bromodichloromethane | | -- | | 0.0057 U |
| Bromoform | | -- | | 0.0057 U |
| Bromomethane | | -- | | 0.0057 U |
| Butanone, 2- | | 0.12 | | 0.011 UJ |
| Carbon disulfide | | -- | | 0.0057 UJ |
| Carbon tetrachloride | | 0.76 | | 0.0057 U |
| Chlorobenzene | | 1.1 | | 0.0057 UJ |
| Chloroethane | | -- | | 0.0057 U |
| Chloroform | | 0.37 | | 0.0057 U |
| Chloromethane | | -- | | 0.0057 U |
| Dibromochloromethane | | -- | | 0.0057 U |
| Dichloroethane, 1,1- | | 0.27 | | 0.0057 U |
| Dichloroethane, 1,2- | | 0.02 | | 0.0057 U |
| Dichloroethene, 1,1- | | 0.33 | | 0.0057 UJ |
| Dichloroethene, cis-1,2- | | 0.25 | | 0.0057 UJ |
| Dichloroethene, trans-1,2- | | 0.19 | | 0.0057 U |
| Dichloropropane, 1,2- | | -- | | 0.0057 U |
| Dichloropropene, cis-1,3- | | -- | | 0.0057 U |
| Dichloropropene, trans-1,3- | | -- | | 0.0057 U |
| Ethylbenzene | | 1 | | 0.0057 U |
| Hexanone, 2- | | -- | | 0.011 UJ |
| Methyl-2-pentanone, 4- | | -- | | 0.0057 U |
| Methylene chloride | | 0.05 | | 0.023 U |
| Styrene | | -- | | 0.0057 U |
| Tetrachloroethane, 1,1,2,2- | | -- | | 0.0057 U |
| Tetrachloroethene | | 1.3 | | 0.0057 U |
| Toluene | | 0.7 | | 0.0057 U |
| Trichloroethane, 1,1,1- | | 0.68 | | 0.0057 U |
| Trichloroethane, 1,1,2- | | -- | | 0.0057 U |
| Trichloroethene | | 0.47 | | 0.0057 UJ |
| Vinyl chloride | | 0.02 | | 0.0057 U |
| Xylenes, Total | | 1.6 | | 0.0057 U |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | | 98 | | 0.26 J |
| Acenaphthylene | | 100 | | 0.091 J |
| Anthracene | | 100 | | 1 |
| Benzo(a)anthracene | | 1 | | 3 J |
| Benzo(a)pyrene | | 1 | | 2.8 |
| Benzo(b)fluoranthene | | 1 | | 3.3 |

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ³ | Supplemental Remedial Investigation | |
|--|--|--|---------------|
| | | CGSS-23 CGSS-23 (0-0.5) 0.00 to 0.50 9.50 to 9.00 12/17/2009 | |
| Semivolatile Organic Compounds (continued) | | | |
| Benzo(g,h,i)perylene | 100 | | 2.8 J |
| Benzo(k)fluoranthene | 1.7 | | 1.3 |
| Benzyl alcohol | -- | | 0.61 U |
| Bis(2-chloroethoxy)methane | -- | | 0.61 U |
| Bis(2-chloroethyl)ether | -- | | 0.61 U |
| Bis(2-ethylhexyl)phthalate | -- | | 0.61 UJ |
| Bromophenyl phenyl ether, 4- | -- | | 0.61 U |
| Butyl benzyl phthalate | -- | | 0.61 UJ |
| Carbazole | -- | | 0.42 J |
| Chloro-3-methylphenol, 4- | -- | | 0.61 U |
| Chloroaniline, 4- | -- | | 0.61 U |
| Chloronaphthalene, 2- | -- | | 0.61 U |
| Chlorophenol, 2- | -- | | 0.61 U |
| Chlorophenyl phenyl ether, 4- | -- | | 0.61 U |
| Chrysene | 1 | | 3.1 J |
| Dibenzo(a,h)anthracene | 0.33 | | 0.68 J |
| Dibenzofuran | 59 | | 0.27 J |
| Dichlorobenzene, 1,2- | 1.1 | | 0.61 U |
| Dichlorobenzene, 1,3- | 2.4 | | 0.61 U |
| Dichlorobenzene, 1,4- | 1.8 | | 0.61 U |
| Dichlorobenzidine, 3,3- | -- | | 0.75 UJ |
| Dichlorophenol, 2,4- | -- | | 0.61 U |
| Diethyl phthalate | -- | | 0.61 U |
| Dimethylphenol, 2,4- | -- | | 0.61 U |
| Dimethyl phthalate | -- | | 0.61 U |
| Di-n-butyl phthalate | -- | | 0.61 U |
| Di-n-octyl phthalate | -- | | R |
| Dinitro-2-methylphenol, 4,6- | -- | | 3.9 U |
| Dinitrophenol, 2,4- | -- | | 0.61 U |
| Dinitrotoluene, 2,4- | -- | | 0.61 U |
| Dinitrotoluene, 2,6- | -- | | 0.61 U |
| Fluoranthene | 100 | | 4 J |
| Fluorene | 100 | | 0.42 J |
| Hexachlorobenzene | 1.2 | | 0.61 U |
| Hexachlorobutadiene | -- | | 0.61 U |
| Hexachlorocyclopentadiene | -- | | R |
| Hexachloroethane | -- | | 0.61 UJ |
| Indeno(1,2,3-cd)pyrene | 0.5 | | 2.9 J |
| Isophorone | -- | | 0.61 U |
| Methylnaphthalene, 2- | -- | | 0.13 J |
| Methylphenol, 2- | 0.33 | | 0.61 U |

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ³ | Supplemental Remedial Investigation | |
|--|--|--|--|
| | | CGSS-23 CGSS-23 (0-0.5) 0.00 to 0.50 9.50 to 9.00 12/17/2009 | |
| Semivolatile Organic Compounds (continued) | | | |
| Methylphenol, 4- | 0.33 | 0.61 U | |
| Naphthalene | 12 | 0.21 J | |
| Nitroaniline, 2- | -- | 1.5 U | |
| Nitroaniline, 3- | -- | 1.5 U | |
| Nitroaniline, 4- | -- | 0.61 U | |
| Nitrobenzene | -- | 0.61 U | |
| Nitrophenol, 2- | -- | 0.61 U | |
| Nitrophenol, 4- | -- | 3.9 U | |
| N-Nitrosodi-n-propylamine | -- | 0.61 U | |
| N-Nitrosodiphenylamine | -- | 0.61 U | |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.61 U | |
| Pentachlorophenol | 0.8 | 1.5 UJ | |
| Phenanthrene | 100 | 4.4 | |
| Phenol | 0.33 | 0.61 U | |
| Pyrene | 100 | 8.6 J | |
| Trichlorobenzene, 1,2,4- | -- | 0.61 U | |
| Trichlorophenol, 2,4,5- | -- | 3.9 U | |
| Trichlorophenol, 2,4,6- | -- | 0.61 U | |
| Polychlorinated Biphenyls | | | |
| Aroclor 1016 | 1 | 0.019 U | |
| Aroclor 1221 | 1 | 0.019 U | |
| Aroclor 1232 | 1 | 0.019 U | |
| Aroclor 1242 | 1 | 0.019 U | |
| Aroclor 1248 | 1 | 0.019 U | |
| Aroclor 1254 | 1 | 0.019 U | |
| Aroclor 1260 | 1 | 0.0083 J | |
| Pesticides | | | |
| Aldrin | 0.097 | 0.0019 UJ | |
| BHC, alpha- | 0.02 | 0.0019 U | |
| BHC, beta- | 0.09 | 0.0019 UJ | |
| BHC, delta- | 0.25 | 0.0044 J | |
| BHC, gamma- | -- | 0.0019 U | |
| Chlordane, alpha- | 2.9 | 0.0019 U | |
| Chlordane, gamma- | -- | 0.0019 U | |
| DDD, 4,4'- | 13 | 0.0094 JN | |
| DDE, 4,4'- | 8.9 | 0.0037 U | |
| DDT, 4,4'- | 7.9 | 0.018 J | |
| Dieldrin | 0.1 | 0.0037 U | |
| Endosulfan, alpha- | 24 | 0.0019 U | |
| Endosulfan, beta- | 24 | 0.0037 U | |
| Endosulfan sulphate | 24 | 0.0037 UJ | |

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ³ | Supplemental Remedial Investigation | |
|--|--|--|--|
| | | CGSS-23 CGSS-23 (0-0.5) 0.00 to 0.50 9.50 to 9.00 12/17/2009 | |
| Pesticides (continued) | | | |
| Endrin | 0.06 | 0.0037 U | |
| Endrin aldehyde | -- | 0.0052 J | |
| Endrin ketone | -- | 0.0037 UJ | |
| Heptachlor | 0.38 | 0.0019 UJ | |
| Heptachlor epoxide | -- | 0.0019 UJ | |
| Methoxychlor | -- | 0.019 UJ | |
| Toxaphene | -- | 0.092 U | |
| Herbicides | | | |
| D, 2,4- | -- | 0.019 U | |
| T, 2,4,5- | -- | 0.019 U | |
| TP, 2,4,5- | 3.8 | 0.019 UJ | |
| Metals | | | |
| Arsenic | 16 | 4.1 | |
| Barium | 400 | 116 | |
| Cadmium | 4.3 | 1.4 U | |
| Chromium | 19 | 16 J | |
| Lead | 400 | 294 | |
| Mercury | 0.73 | 0.095 J | |
| Selenium | 4 | 10.4 UJ | |
| Silver | 8.3 | 1.4 U | |

Notes:

1. Sample concentrations are presented in units of milligrams per kilogram (mg/kg).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. Soil cleanup objectives (SCOs) reflect the lower of the restricted use SCOs for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of 6 NYCRR 375.
4. Bolded sample concentrations denote detected parameters.
5. Gray shading denotes sample concentrations that exceed the applicable SCOs.
6. --: No SCO is listed in Table 375-6.8(b) of 6 NYCRR 375 for this parameter.
7. bgs: below ground surface.

Data Qualifiers:

1. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
2. JN: Sample matrix spike analysis was outside control limits. The reported concentration is an estimate.
3. R: Sample result has been rejected.
4. U: Parameter was not detected in the sample. The reported concentration is the RL.
5. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-26 | CGSB-26 | CGSB-26 |
| | | | CGSB-26 (31-32) | CGSB-26 (64-64.5) | CGSB-26 (122-123) |
| | | | 31.00 to 32.00 | 64.00 to 64.50 | 122.00 to 123.00 |
| | | | -20.46 to -21.46 | -53.46 to -53.96 | -111.46 to -12.46 |
| | | | 4/30/2003 | 4/30/2003 | 4/30/2003 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | R | R | R |
| Benzene | | 0.06 | 30 J | 130 | 0.0050 J |
| Bromodichloromethane | | -- | 120 U | 28 U | 0.0060 U |
| Bromoform | | -- | 120 U | 28 U | 0.0060 U |
| Bromomethane | | -- | 120 U | 28 U | 0.0060 U |
| Butanone, 2- | | 0.12 | R | R | 0.011 UJ |
| Carbon disulfide | | -- | 120 U | 28 U | 0.0060 U |
| Carbon tetrachloride | | 0.76 | 120 U | 28 U | 0.0060 U |
| Chlorobenzene | | 1.1 | 120 U | 28 U | 0.0060 U |
| Chloroethane | | -- | 120 U | 28 U | 0.0060 U |
| Chloroform | | 0.37 | 120 U | 28 U | 0.0060 U |
| Chloromethane | | -- | 120 U | 28 U | 0.0060 U |
| Dibromochloromethane | | -- | 120 U | 28 U | 0.0060 U |
| Dichloroethane, 1,1- | | 0.27 | 120 U | 28 U | 0.0060 U |
| Dichloroethane, 1,2- | | 0.02 | 120 U | 28 U | 0.0060 U |
| Dichloroethene, 1,1- | | 0.33 | 120 U | 28 U | 0.0060 U |
| Dichloroethene, cis-1,2- | | 0.25 | 120 U | 28 U | 0.0060 U |
| Dichloroethene, trans-1,2- | | 0.19 | 120 U | 28 U | 0.0060 U |
| Dichloropropane, 1,2- | | -- | 120 U | 28 U | 0.0060 U |
| Dichloropropene, cis-1,3- | | -- | 120 U | 28 U | 0.0060 U |
| Dichloropropene, trans-1,3- | | -- | 120 U | 28 U | 0.0060 U |
| Ethylbenzene | | 1 | 210 | 120 | 0.0010 J |
| Hexanone, 2- | | -- | 120 U | 28 U | 0.011 U |
| Methyl-2-pentanone, 4- | | -- | 120 U | 28 U | 0.011 U |
| Methylene chloride | | 0.05 | 120 U | 28 U | 0.0060 UJB |
| Styrene | | -- | 120 U | 450 | 0.0060 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 120 U | 28 U | 0.0060 U |
| Tetrachloroethene | | 1.3 | 120 U | 28 U | 0.0060 U |
| Toluene | | 0.7 | 99 J | 310 | 0.0040 J |
| Trichloroethane, 1,1,1- | | 0.68 | 120 U | 28 U | 0.0060 U |
| Trichloroethane, 1,1,2- | | -- | 120 U | 28 U | 0.0060 U |
| Trichloroethene | | 0.47 | 120 U | 28 U | 0.0060 U |
| Vinyl acetate | | -- | 120 U | 28 U | 0.0060 U |
| Vinyl chloride | | 0.02 | 120 U | 28 U | 0.0060 U |
| Xylenes, Total | | 1.6 | 260 | 680 | 0.003 J |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 760 | 390 J | 0.37 U |
| Acenaphthylene | | 100 | 230 J | 3,500 | 0.37 U |
| Anthracene | | 100 | 510 | 1,700 | 0.37 U |
| Benzo(a)anthracene | | 1 | 270 J | 770 J | 0.37 U |
| Benzo(a)pyrene | | 1 | 190 J | 610 J | 0.37 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-26 | CGSB-26 | CGSB-26 |
| | | | CGSB-26 (31-32) | CGSB-26 (64-64.5) | CGSB-26 (122-123) |
| | | | 31.00 to 32.00 | 64.00 to 64.50 | 122.00 to 123.00 |
| | | | -20.46 to -21.46 | -53.46 to -53.96 | -111.46 to -12.46 |
| | | | 4/30/2003 | 4/30/2003 | 4/30/2003 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 77 J | 270 J | 0.37 U |
| Benzo(g,h,i)perylene | | 100 | 67 J | 240 J | 0.37 UJ |
| Benzo(k)fluoranthene | | 1.7 | 140 J | 460 J | 0.37 U |
| Benzoic acid | | -- | 1,900 UJ | 5,400 UJ | 1.8 U |
| Benzyl alcohol | | -- | 380 U | 1,100 U | 0.37 UJ |
| Bis(2-chloroethoxy)methane | | -- | 380 U | 1,100 U | 0.37 U |
| Bis(2-chloroethyl)ether | | -- | 380 U | 1,100 U | 0.37 U |
| Bis(2-ethylhexyl)phthalate | | -- | 380 U | 1,100 U | 0.088 J |
| Bromophenyl phenyl ether, 4- | | -- | 380 U | 1,100 U | 0.37 U |
| Butyl benzyl phthalate | | -- | 380 U | 1,100 U | 0.37 U |
| Carbazole | | -- | 380 U | 1,100 U | 0.37 U |
| Chloro-3-methylphenol, 4- | | -- | 380 U | 1,100 U | 0.37 U |
| Chloroaniline, 4- | | -- | 380 UJ | 1,100 UJ | 0.37 UJ |
| Chloronaphthalene, 2- | | -- | 380 U | 1,100 U | 0.37 U |
| Chlorophenol, 2- | | -- | 380 U | 1,100 U | 0.37 U |
| Chlorophenyl phenyl ether, 4- | | -- | 380 U | 1,100 U | 0.37 U |
| Chrysene | | 1 | 260 J | 720 J | 0.37 U |
| Dibenzo(a,h)anthracene | | 0.33 | 380 U | 100 J | 0.37 UJ |
| Dibenzofuran | | 59 | 61 J | 280 J | 0.37 U |
| Dichlorobenzene, 1,2- | | 1.1 | 380 U | 1,100 U | 0.37 U |
| Dichlorobenzene, 1,3- | | 2.4 | 380 UJ | 1,100 UJ | 0.37 UJ |
| Dichlorobenzene, 1,4- | | 1.8 | 380 U | 1,100 U | 0.37 U |
| Dichlorobenzidine, 3,3- | | -- | 760 UJ | 2,200 UJ | 0.74 UJ |
| Dichlorophenol, 2,4- | | -- | 380 U | 1,100 U | 0.37 U |
| Diethyl phthalate | | -- | 380 U | 1,100 U | 0.37 U |
| Dimethylphenol, 2,4- | | -- | 380 UJ | 1,100 UJ | 0.37 UJ |
| Dimethyl phthalate | | -- | 380 U | 1,100 U | 0.37 U |
| Di-n-butyl phthalate | | -- | 380 U | 1,100 U | 0.37 U |
| Di-n-octyl phthalate | | -- | 380 U | 1,100 U | 0.37 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1,900 U | 5,400 U | 1.8 U |
| Dinitrophenol, 2,4- | | -- | 1,900 U | 5,400 U | 1.8 U |
| Dinitrotoluene, 2,4- | | -- | 380 U | 1,100 U | 0.37 U |
| Dinitrotoluene, 2,6- | | -- | 380 U | 1,100 U | 0.37 U |
| Fluoranthene | | 100 | 440 | 1,500 | 0.37 U |
| Fluorene | | 100 | 570 | 2,200 | 0.37 U |
| Hexachlorobenzene | | 1.2 | 380 U | 1,100 U | 0.37 U |
| Hexachlorobutadiene | | -- | 380 U | 1,100 U | 0.37 U |
| Hexachlorocyclopentadiene | | -- | 380 UJ | 1,100 UJ | 0.37 UJ |
| Hexachloroethane | | -- | 380 U | 1,100 U | 0.37 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 58 J | 200 J | 0.37 UJ |
| Isophorone | | -- | 380 U | 1,100 U | 0.37 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-26 | CGSB-26 | CGSB-26 |
| | | | CGSB-26 (31-32) | CGSB-26 (64-64.5) | CGSB-26 (122-123) |
| | | | 31.00 to 32.00 | 64.00 to 64.50 | 122.00 to 123.00 |
| | | | -20.46 to -21.46 | -53.46 to -53.96 | -111.46 to -12.46 |
| | | | 4/30/2003 | 4/30/2003 | 4/30/2003 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Methylnaphthalene, 2- | | -- | 1,900 | 7,300 | 0.37 U |
| Methylphenol, 2- | | 0.33 | 380 U | 1,100 U | 0.37 U |
| Methylphenol, 4- | | 0.33 | 380 U | 1,100 U | 0.37 U |
| Naphthalene | | 12 | 2,400 | 9,000 | 0.37 U |
| Nitroaniline, 2- | | -- | 1,900 U | 5,400 U | 1.8 U |
| Nitroaniline, 3- | | -- | 1,900 UJ | 5,400 UJ | 1.8 UJ |
| Nitroaniline, 4- | | -- | 760 U | 2,200 U | 0.74 U |
| Nitrobenzene | | -- | 380 U | 1,100 U | 0.37 U |
| Nitrophenol, 2- | | -- | 380 U | 1,100 U | 0.37 U |
| Nitrophenol, 4- | | -- | 1,900 U | 5,400 U | 1.8 U |
| N-Nitrosodi-n-propylamine | | -- | 380 U | 1,100 U | 0.37 U |
| N-Nitrosodiphenylamine | | -- | 380 U | 1,100 U | 0.37 U |
| Oxybis(1-chloropropane), 2,2'- | | -- | 380 U | 1,100 U | 0.37 U |
| Pentachlorophenol | | 0.8 | 1,900 U | 5,400 U | 1.8 U |
| Phenanthrene | | 100 | 1,400 | 4,800 | 0.37 U |
| Phenol | | 0.33 | 380 U | 1,100 U | 0.37 U |
| Pyrene | | 100 | 810 | 2,600 | 0.37 U |
| Trichlorobenzene, 1,2,4- | | -- | 380 U | 1,100 U | 0.37 U |
| Trichlorophenol, 2,4,5- | | -- | 1,900 U | 5,400 U | 1.8 U |
| Trichlorophenol, 2,4,6- | | -- | 380 U | 1,100 U | 0.37 U |
| Polychlorinated Biphenyls | | | | | |
| Aroclor 1016 | | 1 | NA | NA | NA |
| Aroclor 1221 | | 1 | NA | NA | NA |
| Aroclor 1232 | | 1 | NA | NA | NA |
| Aroclor 1242 | | 1 | NA | NA | NA |
| Aroclor 1248 | | 1 | NA | NA | NA |
| Aroclor 1254 | | 1 | NA | NA | NA |
| Aroclor 1260 | | 1 | NA | NA | NA |
| Pesticides | | | | | |
| Aldrin | | 0.097 | NA | NA | NA |
| BHC, alpha- | | 0.02 | NA | NA | NA |
| BHC, beta- | | 0.09 | NA | NA | NA |
| BHC, delta- | | 0.25 | NA | NA | NA |
| BHC, gamma- | | -- | NA | NA | NA |
| Chlordane, alpha- | | 2.9 | NA | NA | NA |
| Chlordane, gamma- | | -- | NA | NA | NA |
| DDD, 4,4'- | | 13 | NA | NA | NA |
| DDE, 4,4'- | | 8.9 | NA | NA | NA |
| DDT, 4,4'- | | 7.9 | NA | NA | NA |
| Dieldrin | | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | | 24 | NA | NA | NA |

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--------------------------------|-----------------------------|--|------------------------|-------------------|-------------------|
| | Location ID: | | CGSB-26 | CGSB-26 | CGSB-26 |
| | Sample ID: | | CGSB-26 (31-32) | CGSB-26 (64-64.5) | CGSB-26 (122-123) |
| | Sample Interval (feet bgs): | | 31.00 to 32.00 | 64.00 to 64.50 | 122.00 to 123.00 |
| Sample Interval (feet NAVD88): | Sample Date: | -20.46 to -21.46 | -53.46 to -53.96 | -111.46 to -12.46 | |
| Parameter | Sample Date: | 4/30/2003 | 4/30/2003 | 4/30/2003 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 1.80 J | 4.10 B | 2.40 B |
| Barium | | 400 | 9.80 | 13.9 | 19.1 |
| Cadmium | | 4.3 | 3.00 U | 2.50 U | 2.50 U |
| Chromium | | 19 | 7.30 | 5.30 | 8.70 |
| Lead | | 400 | 2.90 J | 2.90 J | 6.30 B |
| Mercury | | 0.73 | 1.60 U | 1.70 U | 1.50 U |
| Selenium | | 4 | 16.0 U | 13.1 U | 13.2 U |
| Silver | | 8.3 | 3.00 U | 2.50 U | 2.50 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.57 U | 0.54 UB | 0.55 U |
| Cyanide, Free | | -- | NA | NA | NA |

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National Grid
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|------------------|
| | | | CGSB-31 | CGSB-31 | CGSB-31 |
| | | | CGSB-31 (20-21) | CGSB-31 (30-30.5) | CGSBXX_12_22_04 |
| | | | 20.00 to 21.00 | 30.00 to 30.50 | 30.00 to 30.50 |
| | | | -0.60 to -1.60 | -10.60 to -11.10 | -10.60 to -11.10 |
| | | | 12/22/2004 | 12/22/2004 | 12/22/2004 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 3.1 U | 3.9 UJ | 3.1 UJ |
| Benzene | | 0.06 | 1.2 U | 3.3 J | 1.2 UJ |
| Bromodichloromethane | | -- | 1.2 U | 1.6 U | 1.2 U |
| Bromoform | | -- | 1.2 UJ | 1.6 UJ | 1.2 UJ |
| Bromomethane | | -- | 1.2 UJ | 1.6 U | 1.2 U |
| Butanone, 2- | | 0.12 | 0.46 J | 0.62 J | 0.46 J |
| Carbon disulfide | | -- | 1.2 U | 1.6 U | 1.2 U |
| Carbon tetrachloride | | 0.76 | 1.2 U | 1.6 U | 1.2 U |
| Chlorobenzene | | 1.1 | 1.2 U | 1.6 U | 1.2 U |
| Chloroethane | | -- | 1.2 U | 1.6 U | 1.2 U |
| Chloroform | | 0.37 | 1.2 U | 1.6 U | 1.2 U |
| Chloromethane | | -- | 1.2 U | 1.6 U | 1.2 U |
| Dibromochloromethane | | -- | 1.2 U | 1.6 U | 1.2 U |
| Dichloroethane, 1,1- | | 0.27 | 1.2 U | 1.6 U | 1.2 U |
| Dichloroethane, 1,2- | | 0.02 | 1.2 U | 1.6 U | 1.2 U |
| Dichloroethene, 1,1- | | 0.33 | 1.2 U | 1.6 U | 1.2 U |
| Dichloroethene, cis-1,2- | | 0.25 | 1.2 U | 1.6 U | 1.2 U |
| Dichloroethene, trans-1,2- | | 0.19 | 1.2 U | 1.6 U | 1.2 U |
| Dichloropropane, 1,2- | | -- | 1.2 U | 1.6 U | 1.2 U |
| Dichloropropene, cis-1,3- | | -- | 1.2 U | 1.6 U | 1.2 U |
| Dichloropropene, trans-1,3- | | -- | 1.2 U | 1.6 U | 1.2 U |
| Ethylbenzene | | 1 | 17 | 33 | 24 |
| Hexanone, 2- | | -- | 1.2 UJ | 1.6 UJ | 1.2 UJ |
| Methyl-2-pentanone, 4- | | -- | 1.2 U | 1.6 U | 1.2 U |
| Methylene chloride | | 0.05 | 1.2 U | 1.6 UJ | 1.2 UJ |
| Styrene | | -- | 19 | 1.6 UJ | 30 J |
| Tetrachloroethane, 1,1,2,2- | | -- | 1.2 U | 1.6 U | 1.2 U |
| Tetrachloroethene | | 1.3 | 1.2 U | 1.6 U | 1.2 U |
| Toluene | | 0.7 | 1.2 UB | 1.6 UJB | 9.4 J |
| Trichloroethane, 1,1,1- | | 0.68 | 1.2 U | 1.6 U | 1.2 U |
| Trichloroethane, 1,1,2- | | -- | 1.2 U | 1.6 U | 1.2 U |
| Trichloroethene | | 0.47 | 1.2 U | 1.6 U | 1.2 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 1.2 U | 1.6 U | 1.2 U |
| Xylenes, Total | | 1.6 | 62 | 27 J | 84 J |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 81 U | 2.0 U | 80 U |
| Acenaphthylene | | 100 | 81 U | 2.0 U | 80 U |
| Anthracene | | 100 | 81 U | 2.0 U | 80 U |
| Benzo(a)anthracene | | 1 | 81 U | 2.0 U | 80 U |
| Benzo(a)pyrene | | 1 | 81 U | 2.0 U | 80 U |

Table 6
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Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-31 CGSB-31 (20-21) 20.00 to 21.00 -0.60 to -1.60 12/22/2004 | CGSB-31 CGSB-31 (30-30.5) 30.00 to 30.50 -10.60 to -11.10 12/22/2004 | CGSB-31 CGSBXX_12_22_04 30.00 to 30.50 -10.60 to -11.10 12/22/2004 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 81 U | 2.0 U | 80 U |
| Benzo(g,h,i)perylene | 100 | 81 U | 2.0 U | 80 U |
| Benzo(k)fluoranthene | 1.7 | 81 U | 2.0 U | 80 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 81 U | 2.0 U | 80 U |
| Bis(2-chloroethoxy)methane | -- | 81 U | 2.0 U | 80 U |
| Bis(2-chloroethyl)ether | -- | 81 U | 2.0 U | 80 U |
| Bis(2-ethylhexyl)phthalate | -- | 81 U | 2.0 U | 80 U |
| Bromophenyl phenyl ether, 4- | -- | 81 U | 2.0 U | 80 U |
| Butyl benzyl phthalate | -- | 81 U | 2.0 U | 80 U |
| Carbazole | -- | 81 U | 2.0 U | 80 U |
| Chloro-3-methylphenol, 4- | -- | 81 U | 2.0 U | 80 U |
| Chloroaniline, 4- | -- | 81 U | 2.0 U | 80 U |
| Chloronaphthalene, 2- | -- | 81 U | 2.0 U | 80 U |
| Chlorophenol, 2- | -- | 81 U | 2.0 U | 80 U |
| Chlorophenyl phenyl ether, 4- | -- | 81 U | 2.0 U | 80 U |
| Chrysene | 1 | 81 U | 2.0 U | 80 U |
| Dibenzo(a,h)anthracene | 0.33 | 81 U | 2.0 U | 80 U |
| Dibenzofuran | 59 | 81 U | 2.0 U | 80 U |
| Dichlorobenzene, 1,2- | 1.1 | 81 U | 2.0 U | 80 U |
| Dichlorobenzene, 1,3- | 2.4 | 81 U | 2.0 U | 80 U |
| Dichlorobenzene, 1,4- | 1.8 | 81 U | 2.0 U | 80 U |
| Dichlorobenzidine, 3,3- | -- | 160 U | 4.0 U | 160 U |
| Dichlorophenol, 2,4- | -- | 81 U | 2.0 U | 80 U |
| Diethyl phthalate | -- | 81 U | 2.0 U | 80 U |
| Dimethylphenol, 2,4- | -- | 81 U | 2.0 U | 80 U |
| Dimethyl phthalate | -- | 81 U | 2.0 U | 80 U |
| Di-n-butyl phthalate | -- | 81 U | 2.0 U | 80 U |
| Di-n-octyl phthalate | -- | 81 U | 2.0 U | 80 U |
| Dinitro-2-methylphenol, 4,6- | -- | 390 U | 9.8 U | 390 U |
| Dinitrophenol, 2,4- | -- | 390 U | 9.8 UJ | 390 U |
| Dinitrotoluene, 2,4- | -- | 81 U | 2.0 U | 80 U |
| Dinitrotoluene, 2,6- | -- | 81 U | 2.0 U | 80 U |
| Fluoranthene | 100 | 81 U | 2.0 U | 80 U |
| Fluorene | 100 | 81 U | 2.0 U | 80 U |
| Hexachlorobenzene | 1.2 | 81 U | 2.0 U | 80 U |
| Hexachlorobutadiene | -- | 81 U | 2.0 U | 80 U |
| Hexachlorocyclopentadiene | -- | 81 UJ | 2.0 U | 80 U |
| Hexachloroethane | -- | 81 U | 2.0 U | 80 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 81 U | 2.0 U | 80 U |
| Isophorone | -- | 81 U | 2.0 U | 80 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|------------------|
| | | | CGSB-31 | CGSB-31 | CGSB-31 |
| | | | CGSB-31 (20-21) | CGSB-31 (30-30.5) | CGSBXX_12_22_04 |
| | | | 20.00 to 21.00 | 30.00 to 30.50 | 30.00 to 30.50 |
| | | | -0.60 to -1.60 | -10.60 to -11.10 | -10.60 to -11.10 |
| | | | 12/22/2004 | 12/22/2004 | 12/22/2004 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Methylnaphthalene, 2- | | -- | 62 J | 2.0 U | 54 J |
| Methylphenol, 2- | | 0.33 | 81 U | 2.0 U | 80 U |
| Methylphenol, 4- | | 0.33 | 81 U | 2.0 U | 80 U |
| Naphthalene | | 12 | 420 | 10 J | 350 J |
| Nitroaniline, 2- | | -- | 390 U | 9.8 U | 390 U |
| Nitroaniline, 3- | | -- | 390 U | 9.8 U | 390 U |
| Nitroaniline, 4- | | -- | 160 U | 4.0 U | 160 U |
| Nitrobenzene | | -- | 81 U | 2.0 U | 80 U |
| Nitrophenol, 2- | | -- | 81 U | 2.0 U | 80 U |
| Nitrophenol, 4- | | -- | 390 UJ | 9.8 U | 390 U |
| N-Nitrosodi-n-propylamine | | -- | 81 U | 2.0 U | 80 U |
| N-Nitrosodiphenylamine | | -- | 81 U | 2.0 U | 80 U |
| Oxybis(1-chloropropane), 2,2'- | | -- | 81 U | 2.0 U | 80 U |
| Pentachlorophenol | | 0.8 | 390 U | 9.8 U | 390 U |
| Phenanthrene | | 100 | 81 U | 2.0 U | 80 U |
| Phenol | | 0.33 | 81 U | 2.0 U | 80 U |
| Pyrene | | 100 | 81 U | 2.0 U | 80 U |
| Trichlorobenzene, 1,2,4- | | -- | 81 U | 2.0 U | 80 U |
| Trichlorophenol, 2,4,5- | | -- | 390 U | 9.8 U | 390 U |
| Trichlorophenol, 2,4,6- | | -- | 81 U | 2.0 U | 80 U |
| Polychlorinated Biphenyls | | | | | |
| Aroclor 1016 | | 1 | NA | NA | NA |
| Aroclor 1221 | | 1 | NA | NA | NA |
| Aroclor 1232 | | 1 | NA | NA | NA |
| Aroclor 1242 | | 1 | NA | NA | NA |
| Aroclor 1248 | | 1 | NA | NA | NA |
| Aroclor 1254 | | 1 | NA | NA | NA |
| Aroclor 1260 | | 1 | NA | NA | NA |
| Pesticides | | | | | |
| Aldrin | | 0.097 | NA | NA | NA |
| BHC, alpha- | | 0.02 | NA | NA | NA |
| BHC, beta- | | 0.09 | NA | NA | NA |
| BHC, delta- | | 0.25 | NA | NA | NA |
| BHC, gamma- | | -- | NA | NA | NA |
| Chlordane, alpha- | | 2.9 | NA | NA | NA |
| Chlordane, gamma- | | -- | NA | NA | NA |
| DDD, 4,4'- | | 13 | NA | NA | NA |
| DDE, 4,4'- | | 8.9 | NA | NA | NA |
| DDT, 4,4'- | | 7.9 | NA | NA | NA |
| Dieldrin | | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|-------------------------------|---|--|--|--|--|
| | | | CGSB-31 CGSB-31 (20-21) 20.00 to 21.00 -0.60 to -1.60 12/22/2004 | CGSB-31 CGSB-31 (30-30.5) 30.00 to 30.50 -10.60 to -11.10 12/22/2004 | CGSB-31 CGSBXX_12_22_04 30.00 to 30.50 -10.60 to -11.10 12/22/2004 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 3.00 J | 4.00 J | 3.10 J |
| Barium | | 400 | 25.5 J | 44.3 J | 40.9 J |
| Cadmium | | 4.3 | 3.20 U | 5.10 U | 3.50 U |
| Chromium | | 19 | 8.70 | 11.7 | 11.2 |
| Lead | | 400 | 11.1 J | 4.90 J | 28.1 J |
| Mercury | | 0.73 | 0.0120 U | 0.0230 U | 0.0140 U |
| Selenium | | 4 | 17.1 U | 27.2 U | 18.8 U |
| Silver | | 8.3 | 3.20 U | 5.10 U | 3.50 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.61 U | 0.78 U | 0.61 U |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|---------------------|
| | | | CGSB-31 | CGSB-32 | CGSB-32 |
| | | | CGSB-31 (47-47.5) | CGSB-32 (29.5-30) | CGSB-32 (45.5-46.5) |
| | | | 47.00 to 47.50 | 29.50 to 30.00 | 45.50 to 46.50 |
| | | | -27.60 to -28.10 | -6.99 to -7.49 | -22.99 to -23.99 |
| | | | 12/22/2004 | 1/27/2005 | 1/27/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.011 UJ | 0.11 J | 0.011 UJB |
| Benzene | | 0.06 | 0.0057 U | 0.075 | 0.0074 |
| Bromodichloromethane | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Bromoform | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Bromomethane | | -- | 0.0057 UJ | 0.0065 U | 0.0056 U |
| Butanone, 2- | | 0.12 | 0.011 U | 0.013 U | 0.011 UJ |
| Carbon disulfide | | -- | 0.0057 U | 0.0041 J | 0.0056 U |
| Carbon tetrachloride | | 0.76 | 0.0057 U | 0.0065 U | 0.0056 U |
| Chlorobenzene | | 1.1 | 0.0057 U | 0.0065 U | 0.0056 U |
| Chloroethane | | -- | 0.0057 UJ | 0.0065 U | 0.0056 U |
| Chloroform | | 0.37 | 0.0057 U | 0.0065 U | 0.0056 U |
| Chloromethane | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Dibromochloromethane | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloropropane, 1,2- | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloropropene, cis-1,3- | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Dichloropropene, trans-1,3- | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Ethylbenzene | | 1 | 0.0057 U | 0.25 | 0.0030 J |
| Hexanone, 2- | | -- | 0.011 U | 0.013 UJ | 0.011 UJ |
| Methyl-2-pentanone, 4- | | -- | 0.011 U | 0.013 U | 0.011 U |
| Methylene chloride | | 0.05 | 0.011 U | 0.013 UJB | 0.011 UJB |
| Styrene | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0057 UJ | 0.0065 U | 0.0056 U |
| Tetrachloroethene | | 1.3 | 0.0057 U | 0.0065 U | 0.0056 U |
| Toluene | | 0.7 | 0.0057 U | 0.0065 UJ | 0.0056 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0057 U | 0.0065 U | 0.0056 U |
| Trichloroethane, 1,1,2- | | -- | 0.0057 U | 0.0065 U | 0.0056 U |
| Trichloroethene | | 0.47 | 0.0057 U | 0.0065 U | 0.0056 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0057 U | 0.0065 U | 0.0056 U |
| Xylenes, Total | | 1.6 | 0.0057 U | 0.17 | 0.0056 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.36 U | 0.86 U | 0.36 U |
| Acenaphthylene | | 100 | 0.36 U | 0.86 U | 0.36 U |
| Anthracene | | 100 | 0.36 U | 0.86 U | 0.36 U |
| Benzo(a)anthracene | | 1 | 0.36 U | 0.86 U | 0.36 U |
| Benzo(a)pyrene | | 1 | 0.36 U | 0.48 J | 0.36 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|--|---|---|
| | | | CGSB-31 CGSB-31 (47-47.5) 47.00 to 47.50 -27.60 to -28.10 12/22/2004 | CGSB-32 CGSB-32 (29.5-30) 29.50 to 30.00 -6.99 to -7.49 1/27/2005 | CGSB-32 CGSB-32 (45.5-46.5) 45.50 to 46.50 -22.99 to -23.99 1/27/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.36 U | 0.86 U | 0.36 U |
| Benzo(g,h,i)perylene | | 100 | 0.36 U | 0.86 U | 0.36 U |
| Benzo(k)fluoranthene | | 1.7 | 0.36 U | 0.86 U | 0.36 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.36 U | 0.86 U | 0.36 U |
| Bis(2-chloroethoxy)methane | | -- | 0.36 U | 0.86 U | 0.36 U |
| Bis(2-chloroethyl)ether | | -- | 0.36 U | 0.86 U | 0.36 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.36 U | 0.86 U | 0.36 U |
| Bromophenyl phenyl ether, 4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Butyl benzyl phthalate | | -- | 0.36 U | 0.86 U | 0.36 U |
| Carbazole | | -- | 0.36 U | 0.86 U | 0.36 U |
| Chloro-3-methylphenol, 4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Chloroaniline, 4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Chloronaphthalene, 2- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Chlorophenol, 2- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Chrysene | | 1 | 0.36 U | 0.86 U | 0.36 U |
| Dibenzo(a,h)anthracene | | 0.33 | 0.36 U | 0.86 U | 0.36 U |
| Dibenzofuran | | 59 | 0.36 U | 0.86 U | 0.36 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.36 U | 0.86 U | 0.36 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.36 U | 0.86 U | 0.36 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.36 U | 0.86 U | 0.36 U |
| Dichlorobenzidine, 3,3- | | -- | 0.72 U | 1.7 U | 0.71 U |
| Dichlorophenol, 2,4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Diethyl phthalate | | -- | 0.36 U | 0.86 U | 0.36 U |
| Dimethylphenol, 2,4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Dimethyl phthalate | | -- | 0.36 U | 0.86 U | 0.36 U |
| Di-n-butyl phthalate | | -- | 0.36 U | 0.86 U | 0.36 U |
| Di-n-octyl phthalate | | -- | 0.36 U | 0.86 U | 0.36 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1.7 U | 4.1 U | 1.7 U |
| Dinitrophenol, 2,4- | | -- | 1.7 U | 4.1 U | 1.7 U |
| Dinitrotoluene, 2,4- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Dinitrotoluene, 2,6- | | -- | 0.36 U | 0.86 U | 0.36 U |
| Fluoranthene | | 100 | 0.36 U | 0.86 U | 0.36 U |
| Fluorene | | 100 | 0.36 U | 0.86 U | 0.36 U |
| Hexachlorobenzene | | 1.2 | 0.36 U | 0.86 U | 0.36 U |
| Hexachlorobutadiene | | -- | 0.36 U | 0.86 U | 0.36 U |
| Hexachlorocyclopentadiene | | -- | 0.36 U | 0.86 U | 0.36 U |
| Hexachloroethane | | -- | 0.36 U | 0.86 U | 0.36 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.36 U | 0.86 U | 0.36 U |
| Isophorone | | -- | 0.36 U | 0.86 U | 0.36 U |

Table 6
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-31 CGSB-31 (47-47.5) 47.00 to 47.50 -27.60 to -28.10 12/22/2004 | CGSB-32 CGSB-32 (29.5-30) 29.50 to 30.00 -6.99 to -7.49 1/27/2005 | CGSB-32 CGSB-32 (45.5-46.5) 45.50 to 46.50 -22.99 to -23.99 1/27/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.36 U | 0.86 U | 0.36 U |
| Methylphenol, 2- | 0.33 | 0.36 U | 0.86 U | 0.36 U |
| Methylphenol, 4- | 0.33 | 0.36 U | 0.86 U | 0.36 U |
| Naphthalene | 12 | 0.36 U | 3.3 | 0.36 U |
| Nitroaniline, 2- | -- | 1.7 U | 4.1 U | 1.7 U |
| Nitroaniline, 3- | -- | 1.7 U | 4.1 U | 1.7 U |
| Nitroaniline, 4- | -- | 0.72 U | 1.7 U | 0.71 UJ |
| Nitrobenzene | -- | 0.36 U | 0.86 U | 0.36 U |
| Nitrophenol, 2- | -- | 0.36 U | 0.86 U | 0.36 U |
| Nitrophenol, 4- | -- | 1.7 U | 4.1 U | 1.7 U |
| N-Nitrosodi-n-propylamine | -- | 0.36 U | 0.86 U | 0.36 U |
| N-Nitrosodiphenylamine | -- | 0.36 U | 0.86 U | 0.36 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.36 U | 0.86 U | 0.36 UJ |
| Pentachlorophenol | 0.8 | 1.7 U | 4.1 U | 1.7 U |
| Phenanthrene | 100 | 0.36 U | 0.86 U | 0.36 U |
| Phenol | 0.33 | 0.36 U | 0.86 U | 0.36 U |
| Pyrene | 100 | 0.36 U | 0.86 U | 0.36 U |
| Trichlorobenzene, 1,2,4- | -- | 0.36 U | 0.86 U | 0.36 U |
| Trichlorophenol, 2,4,5- | -- | 1.7 U | 4.1 U | 1.7 U |
| Trichlorophenol, 2,4,6- | -- | 0.36 U | 0.86 U | 0.36 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|-------------------------------|---|--|--|---|---|
| | | | CGSB-31 CGSB-31 (47-47.5) 47.00 to 47.50 -27.60 to -28.10 12/22/2004 | CGSB-32 CGSB-32 (29.5-30) 29.50 to 30.00 -6.99 to -7.49 1/27/2005 | CGSB-32 CGSB-32 (45.5-46.5) 45.50 to 46.50 -22.99 to -23.99 1/27/2005 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 2.50 J | 2.80 J | 9.40 UJ |
| Barium | | 400 | 33.4 J | 30.4 J | 39.0 J |
| Cadmium | | 4.3 | 3.50 U | 3.90 U | 3.50 U |
| Chromium | | 19 | 8.50 | 18.9 * | 6.30 * |
| Lead | | 400 | 4.20 J | 5.40 B* | 4.10 B* |
| Mercury | | 0.73 | 0.0140 U | 0.0170 U | 0.0100 U |
| Selenium | | 4 | 18.5 U | 20.6 U | 18.7 U |
| Silver | | 8.3 | 3.50 U | 3.90 U | 3.50 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.56 U | 0.65 U | 0.56 U |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|---|---|--|
| | | CGSB-32 CGSB-XX 0-2 45.50 to 46.50 -22.99 to -23.99 1/27/2005 | CGSB-32 CGSB-32 (126-126.5) 126.00 to 126.50 -103.49 to -3.99 1/28/2005 | CGSB-33 CGSB-33 (22.5-23) 22.50 to 23.00 6.15 to 5.65 1/4/2005 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.011 UJB | 0.011 UJB | 0.14 J |
| Benzene | 0.06 | 0.0071 | 0.0021 J | 0.027 UJ |
| Bromodichloromethane | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Bromoform | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Bromomethane | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Butanone, 2- | 0.12 | 0.011 UJ | 0.011 UJ | 0.055 UJ |
| Carbon disulfide | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Carbon tetrachloride | 0.76 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Chlorobenzene | 1.1 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Chloroethane | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Chloroform | 0.37 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Chloromethane | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dibromochloromethane | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloroethane, 1,1- | 0.27 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloroethane, 1,2- | 0.02 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloroethene, 1,1- | 0.33 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloroethene, cis-1,2- | 0.25 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloroethene, trans-1,2- | 0.19 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloropropane, 1,2- | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloropropene, cis-1,3- | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Dichloropropene, trans-1,3- | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Ethylbenzene | 1 | 0.0027 J | 0.0056 U | 0.090 J |
| Hexanone, 2- | -- | 0.011 UJ | 0.011 UJ | 0.055 UJ |
| Methyl-2-pentanone, 4- | -- | 0.011 U | 0.011 U | 0.055 UJ |
| Methylene chloride | 0.05 | 0.011 UJB | 0.011 UJB | 0.055 UJ |
| Styrene | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Tetrachloroethene | 1.3 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Toluene | 0.7 | 0.0056 U | 0.0056 UJ | 0.027 UJ |
| Trichloroethane, 1,1,1- | 0.68 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Trichloroethane, 1,1,2- | -- | 0.0056 U | 0.0056 U | 0.027 UJ |
| Trichloroethene | 0.47 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0056 U | 0.0056 U | 0.027 UJ |
| Xylenes, Total | 1.6 | 0.0056 U | 0.0056 U | 0.15 J |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.36 U | 0.37 U | 2.5 |
| Acenaphthylene | 100 | 0.36 U | 0.37 U | 1.0 |
| Anthracene | 100 | 0.36 U | 0.37 U | 0.82 |
| Benzo(a)anthracene | 1 | 0.36 U | 0.37 U | 0.28 J |
| Benzo(a)pyrene | 1 | 0.36 U | 0.37 U | 0.20 J |

Table 6
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Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|---|---|--|
| | | | CGSB-32 CGSB-XX 0-2 45.50 to 46.50 -22.99 to -23.99 1/27/2005 | CGSB-32 CGSB-32 (126-126.5) 126.00 to 126.50 -103.49 to -3.99 1/28/2005 | CGSB-33 CGSB-33 (22.5-23) 22.50 to 23.00 6.15 to 5.65 1/4/2005 |
| | | | | | |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.36 U | 0.37 U | 0.72 U |
| Benzo(g,h,i)perylene | | 100 | 0.36 U | 0.37 U | 0.72 U |
| Benzo(k)fluoranthene | | 1.7 | 0.36 U | 0.37 U | 0.13 J |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.36 U | 0.37 U | 0.72 U |
| Bis(2-chloroethoxy)methane | | -- | 0.36 U | 0.37 U | 0.72 U |
| Bis(2-chloroethyl)ether | | -- | 0.36 U | 0.37 U | 0.72 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.36 U | 0.37 U | 0.72 U |
| Bromophenyl phenyl ether, 4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Butyl benzyl phthalate | | -- | 0.36 U | 0.37 U | 0.72 U |
| Carbazole | | -- | 0.36 U | 0.37 U | 0.72 U |
| Chloro-3-methylphenol, 4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Chloroaniline, 4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Chloronaphthalene, 2- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Chlorophenol, 2- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Chrysene | | 1 | 0.36 U | 0.37 U | 0.29 J |
| Dibenzo(a,h)anthracene | | 0.33 | 0.36 U | 0.37 U | 0.72 U |
| Dibenzofuran | | 59 | 0.36 U | 0.37 U | 1.1 |
| Dichlorobenzene, 1,2- | | 1.1 | 0.36 U | 0.37 U | 0.72 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.36 U | 0.37 U | 0.72 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.36 U | 0.37 U | 0.72 U |
| Dichlorobenzidine, 3,3- | | -- | 0.71 UJ | 0.74 UJ | 1.4 U |
| Dichlorophenol, 2,4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Diethyl phthalate | | -- | 0.36 U | 0.37 U | 0.72 U |
| Dimethylphenol, 2,4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Dimethyl phthalate | | -- | 0.36 U | 0.37 U | 0.72 U |
| Di-n-butyl phthalate | | -- | 0.36 U | 0.37 U | 0.72 U |
| Di-n-octyl phthalate | | -- | 0.36 U | 0.37 U | 0.72 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1.7 U | 1.8 U | 3.5 UJ |
| Dinitrophenol, 2,4- | | -- | 1.7 UJ | 1.8 UJ | R |
| Dinitrotoluene, 2,4- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Dinitrotoluene, 2,6- | | -- | 0.36 U | 0.37 U | 0.72 U |
| Fluoranthene | | 100 | 0.36 U | 0.37 U | 0.62 J |
| Fluorene | | 100 | 0.36 U | 0.37 U | 2.2 |
| Hexachlorobenzene | | 1.2 | 0.36 U | 0.37 U | 0.72 U |
| Hexachlorobutadiene | | -- | 0.36 U | 0.37 U | 0.72 U |
| Hexachlorocyclopentadiene | | -- | 0.36 U | 0.37 U | 0.72 UJ |
| Hexachloroethane | | -- | 0.36 U | 0.37 U | 0.72 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.36 U | 0.37 U | 0.72 U |
| Isophorone | | -- | 0.36 U | 0.37 U | 0.72 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|---|---|--|
| | | CGSB-32 CGSB-XX 0-2 45.50 to 46.50 -22.99 to -23.99 1/27/2005 | CGSB-32 CGSB-32 (126-126.5) 126.00 to 126.50 -103.49 to -3.99 1/28/2005 | CGSB-33 CGSB-33 (22.5-23) 22.50 to 23.00 6.15 to 5.65 1/4/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.36 U | 0.37 U | 0.36 J |
| Methylphenol, 2- | 0.33 | 0.36 U | 0.37 U | 0.72 U |
| Methylphenol, 4- | 0.33 | 0.36 U | 0.37 U | 0.72 U |
| Naphthalene | 12 | 0.36 U | 0.37 U | 3.2 |
| Nitroaniline, 2- | -- | 1.7 U | 1.8 U | 3.5 U |
| Nitroaniline, 3- | -- | 1.7 U | 1.8 U | 3.5 U |
| Nitroaniline, 4- | -- | 0.71 UJ | 0.74 UJ | 1.4 U |
| Nitrobenzene | -- | 0.36 U | 0.37 U | 0.72 U |
| Nitrophenol, 2- | -- | 0.36 U | 0.37 U | 0.72 U |
| Nitrophenol, 4- | -- | 1.7 U | 1.8 U | 3.5 U |
| N-Nitrosodi-n-propylamine | -- | 0.36 U | 0.37 U | 0.72 U |
| N-Nitrosodiphenylamine | -- | 0.36 U | 0.37 U | 0.72 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.36 UJ | 0.37 UJ | 0.72 U |
| Pentachlorophenol | 0.8 | 1.7 U | 1.8 U | 3.5 U |
| Phenanthrene | 100 | 0.36 U | 0.37 U | 5.6 |
| Phenol | 0.33 | 0.36 U | 0.37 U | 0.72 U |
| Pyrene | 100 | 0.36 U | 0.37 U | 1.2 |
| Trichlorobenzene, 1,2,4- | -- | 0.36 U | 0.37 U | 0.72 U |
| Trichlorophenol, 2,4,5- | -- | 1.7 U | 1.8 U | 3.5 U |
| Trichlorophenol, 2,4,6- | -- | 0.36 U | 0.37 U | 0.72 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|-------------------------------|---|--|---|---|--|
| | | | CGSB-32 CGSB-XX 0-2 45.50 to 46.50 -22.99 to -23.99 1/27/2005 | CGSB-32 CGSB-32 (126-126.5) 126.00 to 126.50 -103.49 to -3.99 1/28/2005 | CGSB-33 CGSB-33 (22.5-23) 22.50 to 23.00 6.15 to 5.65 1/4/2005 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 10.3 UJ | 2.30 J | 2.90 J |
| Barium | | 400 | 36.0 J | 29.4 J | 36.2 J |
| Cadmium | | 4.3 | 3.80 U | 3.90 U | 4.00 U |
| Chromium | | 19 | 5.30 * | 9.80 * | 16.2 |
| Lead | | 400 | 3.20 B* | 7.10 B* | 4.70 B |
| Mercury | | 0.73 | 0.0120 U | 0.0130 U | 0.0150 U |
| Selenium | | 4 | 20.5 U | 20.9 U | 21.5 U |
| Silver | | 8.3 | 3.80 U | 3.90 U | 4.00 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.53 U | 0.53 U | 0.55 U |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-33 CGSB-33 (29-29.5) 29.00 to 29.50 -0.35 to -0.85 1/4/2005 | CGSB-33 CGSB-33 (47-48) 47.00 to 48.00 -18.35 to -19.35 1/4/2005 | CGSB-33 CGSB-XX 100-101 47.00 to 48.00 -18.35 to -19.35 1/4/2005 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.17 J | 0.031 J | 0.030 J |
| Benzene | 0.06 | 0.029 UJ | 0.079 J | 0.040 J |
| Bromodichloromethane | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Bromoform | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Bromomethane | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Butanone, 2- | 0.12 | 0.058 UJ | 0.013 UJ | 0.013 UJ |
| Carbon disulfide | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Carbon tetrachloride | 0.76 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Chlorobenzene | 1.1 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Chloroethane | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Chloroform | 0.37 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Chloromethane | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dibromochloromethane | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloroethane, 1,1- | 0.27 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloroethane, 1,2- | 0.02 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloroethene, 1,1- | 0.33 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloroethene, cis-1,2- | 0.25 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloroethene, trans-1,2- | 0.19 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloropropane, 1,2- | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloropropene, cis-1,3- | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Dichloropropene, trans-1,3- | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Ethylbenzene | 1 | 0.20 J | 0.015 J | 0.0091 J |
| Hexanone, 2- | -- | 0.058 UJ | 0.013 UJ | 0.013 UJ |
| Methyl-2-pentanone, 4- | -- | 0.058 UJ | 0.013 UJ | 0.013 UJ |
| Methylene chloride | 0.05 | 0.058 UJ | 0.013 UJ | 0.013 UJ |
| Styrene | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Tetrachloroethane, 1,1,2,2- | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Tetrachloroethene | 1.3 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Toluene | 0.7 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Trichloroethane, 1,1,1- | 0.68 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Trichloroethane, 1,1,2- | -- | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Trichloroethene | 0.47 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.029 UJ | 0.0064 UJ | 0.0064 UJ |
| Xylenes, Total | 1.6 | 0.84 J | 0.014 J | 0.008 J |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 2.8 | 0.42 U | 0.42 U |
| Acenaphthylene | 100 | 1.1 J | 0.42 U | 0.42 U |
| Anthracene | 100 | 0.95 J | 0.42 U | 0.42 U |
| Benzo(a)anthracene | 1 | 0.29 J | 0.42 U | 0.42 U |
| Benzo(a)pyrene | 1 | 1.9 U | 0.42 U | 0.42 U |

Table 6
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Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|------------------|------------------|
| | | | CGSB-33 | CGSB-33 | CGSB-33 |
| | | | CGSB-33 (29-29.5) | CGSB-33 (47-48) | CGSB-XX 100-101 |
| | | | 29.00 to 29.50 | 47.00 to 48.00 | 47.00 to 48.00 |
| | | | -0.35 to -0.85 | -18.35 to -19.35 | -18.35 to -19.35 |
| | | | 1/4/2005 | 1/4/2005 | 1/4/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 1.9 U | 0.42 U | 0.42 U |
| Benzo(g,h,i)perylene | | 100 | 1.9 U | 0.42 U | 0.42 U |
| Benzo(k)fluoranthene | | 1.7 | 1.9 U | 0.42 U | 0.42 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 1.9 U | 0.42 U | 0.42 U |
| Bis(2-chloroethoxy)methane | | -- | 1.9 U | 0.42 U | 0.42 U |
| Bis(2-chloroethyl)ether | | -- | 1.9 U | 0.42 U | 0.42 U |
| Bis(2-ethylhexyl)phthalate | | -- | 1.9 U | 0.42 U | 0.42 U |
| Bromophenyl phenyl ether, 4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Butyl benzyl phthalate | | -- | 1.9 U | 0.42 U | 0.42 U |
| Carbazole | | -- | 1.9 U | 0.42 U | 0.42 U |
| Chloro-3-methylphenol, 4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Chloroaniline, 4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Chloronaphthalene, 2- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Chlorophenol, 2- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Chlorophenyl phenyl ether, 4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Chrysene | | 1 | 0.32 J | 0.42 U | 0.42 U |
| Dibenzo(a,h)anthracene | | 0.33 | 1.9 U | 0.42 U | 0.42 U |
| Dibenzofuran | | 59 | 1.2 J | 0.42 U | 0.42 U |
| Dichlorobenzene, 1,2- | | 1.1 | 1.9 U | 0.42 U | 0.42 U |
| Dichlorobenzene, 1,3- | | 2.4 | 1.9 U | 0.42 U | 0.42 U |
| Dichlorobenzene, 1,4- | | 1.8 | 1.9 U | 0.42 U | 0.42 U |
| Dichlorobenzidine, 3,3- | | -- | 3.8 U | 0.83 U | 0.83 U |
| Dichlorophenol, 2,4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Diethyl phthalate | | -- | 1.9 U | 0.42 U | 0.42 U |
| Dimethylphenol, 2,4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Dimethyl phthalate | | -- | 1.9 U | 0.42 U | 0.42 U |
| Di-n-butyl phthalate | | -- | 1.9 U | 0.42 U | 0.42 U |
| Di-n-octyl phthalate | | -- | 1.9 U | 0.42 U | 0.42 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 9.2 UJ | 2.0 U | 2.0 U |
| Dinitrophenol, 2,4- | | -- | R | R | R |
| Dinitrotoluene, 2,4- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Dinitrotoluene, 2,6- | | -- | 1.9 U | 0.42 U | 0.42 U |
| Fluoranthene | | 100 | 0.70 J | 0.42 U | 0.42 U |
| Fluorene | | 100 | 1.8 J | 0.42 U | 0.42 U |
| Hexachlorobenzene | | 1.2 | 1.9 U | 0.42 U | 0.42 U |
| Hexachlorobutadiene | | -- | 1.9 U | 0.42 U | 0.42 U |
| Hexachlorocyclopentadiene | | -- | 1.9 UJ | 0.42 U | 0.42 U |
| Hexachloroethane | | -- | 1.9 U | 0.42 U | 0.42 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 1.9 U | 0.42 U | 0.42 U |
| Isophorone | | -- | 1.9 U | 0.42 U | 0.42 U |

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Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-33 CGSB-33 (29-29.5) 29.00 to 29.50 -0.35 to -0.85 1/4/2005 | CGSB-33 CGSB-33 (47-48) 47.00 to 48.00 -18.35 to -19.35 1/4/2005 | CGSB-33 CGSB-XX 100-101 47.00 to 48.00 -18.35 to -19.35 1/4/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 14 | 0.42 U | 0.42 U |
| Methylphenol, 2- | 0.33 | 1.9 U | 0.42 U | 0.42 U |
| Methylphenol, 4- | 0.33 | 1.9 U | 0.42 U | 0.42 U |
| Naphthalene | 12 | 12 | 0.42 U | 0.42 U |
| Nitroaniline, 2- | -- | 9.2 U | 2.0 U | 2.0 U |
| Nitroaniline, 3- | -- | 9.2 U | 2.0 U | 2.0 U |
| Nitroaniline, 4- | -- | 3.8 U | 0.83 U | 0.83 U |
| Nitrobenzene | -- | 1.9 U | 0.42 U | 0.42 U |
| Nitrophenol, 2- | -- | 1.9 U | 0.42 U | 0.42 U |
| Nitrophenol, 4- | -- | 9.2 U | 2.0 U | 2.0 U |
| N-Nitrosodi-n-propylamine | -- | 1.9 U | 0.42 U | 0.42 U |
| N-Nitrosodiphenylamine | -- | 1.9 U | 0.42 U | 0.42 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 1.9 U | 0.42 U | 0.42 U |
| Pentachlorophenol | 0.8 | 9.2 U | 2.0 U | 2.0 U |
| Phenanthrene | 100 | 6.0 | 0.091 J | 0.42 U |
| Phenol | 0.33 | 1.9 U | 0.42 U | 0.42 U |
| Pyrene | 100 | 0.99 J | 0.42 U | 0.42 U |
| Trichlorobenzene, 1,2,4- | -- | 1.9 U | 0.42 U | 0.42 U |
| Trichlorophenol, 2,4,5- | -- | 9.2 U | 2.0 U | 2.0 U |
| Trichlorophenol, 2,4,6- | -- | 1.9 U | 0.42 U | 0.42 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------|---|--|--|--|--|
| | | | CGSB-33 CGSB-33 (29-29.5) 29.00 to 29.50 -0.35 to -0.85 1/4/2005 | CGSB-33 CGSB-33 (47-48) 47.00 to 48.00 -18.35 to -19.35 1/4/2005 | CGSB-33 CGSB-XX 100-101 47.00 to 48.00 -18.35 to -19.35 1/4/2005 |
| Pesticides | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 1.30 J | 9.80 U | 1.80 J |
| Barium | | 400 | 29.3 J | 26.6 J | 29.3 J |
| Cadmium | | 4.3 | 2.90 U | 3.70 U | 4.00 U |
| Chromium | | 19 | 8.60 | 4.70 | 5.20 |
| Lead | | 400 | 4.90 B | 2.40 J | 3.00 B |
| Mercury | | 0.73 | 0.0130 U | 0.0140 U | 0.0180 U |
| Selenium | | 4 | 15.4 U | 19.6 U | 21.3 U |
| Silver | | 8.3 | 2.90 U | 3.70 U | 4.00 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.57 U | 0.61 U | 0.62 U |
| Cyanide, Free | | -- | NA | NA | NA |

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Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|------------------|
| | | | CGSB-39 | CGSB-39 | CGSB-39 |
| | | | CGSB-39 (17.5-18) | CGSB-39 (27-27.5) | CGSB-39 (77-78) |
| | | | 17.50 to 18.00 | 27.00 to 27.50 | 77.00 to 78.00 |
| | | | -3.17 to -3.67 | -12.67 to -13.17 | -62.67 to -63.67 |
| | | | 2/3/2005 | 2/3/2005 | 2/3/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 4.4 UJ | 160 U | 0.013 UB |
| Benzene | | 0.06 | 36 J | 220 | 0.021 |
| Bromodichloromethane | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Bromoform | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Bromomethane | | -- | 1.7 UJ | 63 UJ | 0.0064 UJ |
| Butanone, 2- | | 0.12 | 1.7 UJ | 63 U | 0.013 U |
| Carbon disulfide | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Carbon tetrachloride | | 0.76 | 1.7 UJ | 63 U | 0.0064 U |
| Chlorobenzene | | 1.1 | 1.7 UJ | 63 U | 0.0064 U |
| Chloroethane | | -- | 1.7 UJ | 63 U | 0.0064 UJ |
| Chloroform | | 0.37 | 1.7 UJ | 63 U | 0.0064 U |
| Chloromethane | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Dibromochloromethane | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Dichloroethane, 1,1- | | 0.27 | 1.7 UJ | 63 U | 0.0064 U |
| Dichloroethane, 1,2- | | 0.02 | 1.7 UJ | 63 U | 0.0064 U |
| Dichloroethene, 1,1- | | 0.33 | 1.7 UJ | 63 U | 0.0064 U |
| Dichloroethene, cis-1,2- | | 0.25 | 1.7 UJ | 63 U | 0.0064 U |
| Dichloroethene, trans-1,2- | | 0.19 | 1.7 UJ | 63 U | 0.0064 U |
| Dichloropropane, 1,2- | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Dichloropropene, cis-1,3- | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Dichloropropene, trans-1,3- | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Ethylbenzene | | 1 | 1.8 J | 150 | 0.0064 U |
| Hexanone, 2- | | -- | 1.7 UJ | 63 U | 0.013 UJ |
| Methyl-2-pentanone, 4- | | -- | 1.7 UJ | 63 U | 0.013 U |
| Methylene chloride | | 0.05 | 1.7 UJB | 63 UJB | 0.013 UJB |
| Styrene | | -- | 1.7 UJ | 440 | 0.0064 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 1.7 UJ | 63 U | 0.0064 UJ |
| Tetrachloroethene | | 1.3 | 1.7 UJ | 63 U | 0.0064 U |
| Toluene | | 0.7 | 0.15 J | 1,400 | 0.015 |
| Trichloroethane, 1,1,1- | | 0.68 | 1.7 UJ | 63 U | 0.0064 U |
| Trichloroethane, 1,1,2- | | -- | 1.7 UJ | 63 U | 0.0064 U |
| Trichloroethene | | 0.47 | 1.7 UJ | 63 U | 0.0064 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 1.7 UJ | 63 U | 0.0064 U |
| Xylenes, Total | | 1.6 | 1 J | 1,700 | 0.0064 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 2.3 UJ | 170 U | 0.42 UJ |
| Acenaphthylene | | 100 | 2.3 UJ | 170 U | 0.42 U |
| Anthracene | | 100 | 2.3 UJ | 170 U | 0.42 U |
| Benzo(a)anthracene | | 1 | 2.3 UJ | 170 U | 0.42 U |
| Benzo(a)pyrene | | 1 | 2.3 UJ | 170 U | 0.42 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-39 CGSB-39 (17.5-18) 17.50 to 18.00 -3.17 to -3.67 2/3/2005 | CGSB-39 CGSB-39 (27-27.5) 27.00 to 27.50 -12.67 to -13.17 2/3/2005 | CGSB-39 CGSB-39 (77-78) 77.00 to 78.00 -62.67 to -63.67 2/3/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 2.3 UJ | 170 U | 0.42 U |
| Benzo(g,h,i)perylene | 100 | 2.3 UJ | 170 U | 0.42 U |
| Benzo(k)fluoranthene | 1.7 | 2.3 UJ | 170 U | 0.42 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 2.3 UJ | 170 U | 0.42 U |
| Bis(2-chloroethoxy)methane | -- | 2.3 UJ | 170 U | 0.42 U |
| Bis(2-chloroethyl)ether | -- | 2.3 UJ | 170 U | 0.42 U |
| Bis(2-ethylhexyl)phthalate | -- | 2.3 UJ | 170 U | 0.42 U |
| Bromophenyl phenyl ether, 4- | -- | 2.3 UJ | 170 U | 0.42 U |
| Butyl benzyl phthalate | -- | 2.3 UJ | 170 UJ | 0.42 UJ |
| Carbazole | -- | 2.3 UJ | 170 U | 0.42 U |
| Chloro-3-methylphenol, 4- | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Chloroaniline, 4- | -- | 2.3 UJ | 170 U | 0.42 U |
| Chloronaphthalene, 2- | -- | 2.3 UJ | 170 U | 0.42 U |
| Chlorophenol, 2- | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Chlorophenyl phenyl ether, 4- | -- | 2.3 UJ | 170 U | 0.42 U |
| Chrysene | 1 | 2.3 UJ | 170 U | 0.42 U |
| Dibenzo(a,h)anthracene | 0.33 | 2.3 UJ | 170 U | 0.42 U |
| Dibenzofuran | 59 | 2.3 UJ | 170 U | 0.42 U |
| Dichlorobenzene, 1,2- | 1.1 | 2.3 UJ | 170 U | 0.42 U |
| Dichlorobenzene, 1,3- | 2.4 | 2.3 UJ | 170 U | 0.42 U |
| Dichlorobenzene, 1,4- | 1.8 | 2.3 UJ | 170 U | 0.42 UJ |
| Dichlorobenzidine, 3,3- | -- | 4.6 UJ | 330 U | 0.84 U |
| Dichlorophenol, 2,4- | -- | 2.3 UJ | 170 U | 0.42 U |
| Diethyl phthalate | -- | 2.3 UJ | 170 U | 0.42 U |
| Dimethylphenol, 2,4- | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Dimethyl phthalate | -- | 2.3 UJ | 170 U | 0.42 U |
| Di-n-butyl phthalate | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Di-n-octyl phthalate | -- | 2.3 UJ | 170 U | 0.42 U |
| Dinitro-2-methylphenol, 4,6- | -- | 11 UJ | 800 U | 2.0 U |
| Dinitrophenol, 2,4- | -- | R | 800 U | 2.0 U |
| Dinitrotoluene, 2,4- | -- | 2.3 UJ | 170 U | 0.42 U |
| Dinitrotoluene, 2,6- | -- | 2.3 UJ | 170 U | 0.42 U |
| Fluoranthene | 100 | 2.3 UJ | 170 U | 0.42 U |
| Fluorene | 100 | 2.3 UJ | 170 U | 0.42 U |
| Hexachlorobenzene | 1.2 | 2.3 UJ | 170 U | 0.42 U |
| Hexachlorobutadiene | -- | 2.3 UJ | 170 U | 0.42 U |
| Hexachlorocyclopentadiene | -- | 2.3 UJ | 170 U | 0.42 U |
| Hexachloroethane | -- | 2.3 UJ | 170 U | 0.42 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 2.3 UJ | 170 U | 0.42 U |
| Isophorone | -- | 2.3 UJ | 170 U | 0.42 U |

Table 6
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-39 CGSB-39 (17.5-18) 17.50 to 18.00 -3.17 to -3.67 2/3/2005 | CGSB-39 CGSB-39 (27-27.5) 27.00 to 27.50 -12.67 to -13.17 2/3/2005 | CGSB-39 CGSB-39 (77-78) 77.00 to 78.00 -62.67 to -63.67 2/3/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 2.3 UJ | 110 J | 0.42 U |
| Methylphenol, 2- | 0.33 | 2.3 UJ | 170 U | 0.42 U |
| Methylphenol, 4- | 0.33 | 2.3 UJ | 170 U | 0.42 U |
| Naphthalene | 12 | 2.3 UJ | 870 | 0.095 J |
| Nitroaniline, 2- | -- | 11 UJ | 800 U | 2.0 UJ |
| Nitroaniline, 3- | -- | 11 UJ | 800 U | 2.0 U |
| Nitroaniline, 4- | -- | 4.6 UJ | 330 U | 0.84 U |
| Nitrobenzene | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Nitrophenol, 2- | -- | 2.3 UJ | 170 U | 0.42 U |
| Nitrophenol, 4- | -- | 11 UJ | 800 U | 2.0 UJ |
| N-Nitrosodi-n-propylamine | -- | 2.3 UJ | 170 U | 0.42 UJ |
| N-Nitrosodiphenylamine | -- | 2.3 UJ | 170 U | 0.42 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Pentachlorophenol | 0.8 | 11 UJ | 800 U | 2.0 UJ |
| Phenanthrene | 100 | 2.3 UJ | 170 U | 0.42 U |
| Phenol | 0.33 | 2.3 UJ | 170 U | 0.42 UJ |
| Pyrene | 100 | 2.3 UJ | 170 U | 0.42 U |
| Trichlorobenzene, 1,2,4- | -- | 2.3 UJ | 170 U | 0.42 UJ |
| Trichlorophenol, 2,4,5- | -- | 11 UJ | 800 U | 2.0 U |
| Trichlorophenol, 2,4,6- | -- | 2.3 UJ | 170 U | 0.42 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|-------------------------------|---|--|--|--|--|
| | | | CGSB-39 CGSB-39 (17.5-18) 17.50 to 18.00 -3.17 to -3.67 2/3/2005 | CGSB-39 CGSB-39 (27-27.5) 27.00 to 27.50 -12.67 to -13.17 2/3/2005 | CGSB-39 CGSB-39 (77-78) 77.00 to 78.00 -62.67 to -63.67 2/3/2005 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 7.40 J | 3.80 J | 12.5 U |
| Barium | | 400 | 41.7 J | 15.5 J | 24.2 J |
| Cadmium | | 4.3 | 12.8 UJ | 4.70 U | 4.70 U |
| Chromium | | 19 | 18.8 J | 7.20 | 6.80 |
| Lead | | 400 | 38.4 UBN | 14.0 UBN | 14.1 UBN |
| Mercury | | 0.73 | 0.160 UJ | 0.0590 U | 0.0590 U |
| Selenium | | 4 | 68.3 UJ | 24.9 U | 25.1 U |
| Silver | | 8.3 | 12.8 UJ | 4.70 U | 4.70 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.18 J | 0.17 J | 0.62 U |
| Cyanide, Free | | -- | NA | NA | NA |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-42 | CGSB-42 | CGSB-42 |
| | | | CGSB-42 (25-26) | CGSB-42 (40-40.5) | CGSB-42 (55.5-56) |
| | | | 25.00 to 26.00 | 40.00 to 40.50 | 55.50 to 56.00 |
| | | | -8.65 to -9.65 | -23.65 to -24.15 | -39.15 to -39.65 |
| | | | 12/17/2004 | 12/17/2004 | 12/17/2004 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 7.5 UJ | 0.011 UJ | 0.013 UJB |
| Benzene | | 0.06 | 29 J | 0.0061 | 0.0063 U |
| Bromodichloromethane | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Bromoform | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Bromomethane | | -- | 3.0 UJ | 0.0056 UJ | 0.0063 UJ |
| Butanone, 2- | | 0.12 | 0.98 J | 0.011 U | 0.013 U |
| Carbon disulfide | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Carbon tetrachloride | | 0.76 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Chlorobenzene | | 1.1 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Chloroethane | | -- | 3.0 UJ | 0.0056 U | 0.0063 UJ |
| Chloroform | | 0.37 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Chloromethane | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dibromochloromethane | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloroethane, 1,1- | | 0.27 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloroethane, 1,2- | | 0.02 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloroethene, 1,1- | | 0.33 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloroethene, cis-1,2- | | 0.25 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloroethene, trans-1,2- | | 0.19 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloropropane, 1,2- | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloropropene, cis-1,3- | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Dichloropropene, trans-1,3- | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Ethylbenzene | | 1 | 65 J | 0.0056 U | 0.0063 U |
| Hexanone, 2- | | -- | 3.0 UJ | 0.011 UJ | 0.013 U |
| Methyl-2-pentanone, 4- | | -- | 3.0 UJ | 0.011 U | 0.013 U |
| Methylene chloride | | 0.05 | 3.0 UJB | 0.0056 UJ | 0.0063 U |
| Styrene | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 3.0 UJ | 0.0056 UJ | 0.0063 U |
| Tetrachloroethene | | 1.3 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Toluene | | 0.7 | 41 J | 0.0056 U | 0.0063 U |
| Trichloroethane, 1,1,1- | | 0.68 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Trichloroethane, 1,1,2- | | -- | 3.0 UJ | 0.0056 U | 0.0063 U |
| Trichloroethene | | 0.47 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 3.0 UJ | 0.0056 U | 0.0063 U |
| Xylenes, Total | | 1.6 | 81 J | 0.0056 U | 0.0063 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 1.9 UJ | 0.37 U | 0.40 U |
| Acenaphthylene | | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Anthracene | | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Benzo(a)anthracene | | 1 | 1.9 UJ | 0.37 U | 0.40 U |
| Benzo(a)pyrene | | 1 | 1.9 UJ | 0.37 U | 0.40 U |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-42 | CGSB-42 | CGSB-42 |
| | | | CGSB-42 (25-26) | CGSB-42 (40-40.5) | CGSB-42 (55.5-56) |
| | | | 25.00 to 26.00 | 40.00 to 40.50 | 55.50 to 56.00 |
| | | | -8.65 to -9.65 | -23.65 to -24.15 | -39.15 to -39.65 |
| | | | 12/17/2004 | 12/17/2004 | 12/17/2004 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 1.9 UJ | 0.37 U | 0.40 U |
| Benzo(g,h,i)perylene | | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Benzo(k)fluoranthene | | 1.7 | 1.9 UJ | 0.37 U | 0.40 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Bis(2-chloroethoxy)methane | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Bis(2-chloroethyl)ether | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Bis(2-ethylhexyl)phthalate | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Bromophenyl phenyl ether, 4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Butyl benzyl phthalate | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Carbazole | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Chloro-3-methylphenol, 4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Chloroaniline, 4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Chloronaphthalene, 2- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Chlorophenol, 2- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Chlorophenyl phenyl ether, 4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Chrysene | | 1 | 1.9 UJ | 0.37 U | 0.40 U |
| Dibenzo(a,h)anthracene | | 0.33 | 1.9 UJ | 0.37 U | 0.40 U |
| Dibenzofuran | | 59 | 1.9 UJ | 0.37 U | 0.40 U |
| Dichlorobenzene, 1,2- | | 1.1 | 1.9 UJ | 0.37 U | 0.40 U |
| Dichlorobenzene, 1,3- | | 2.4 | 1.9 UJ | 0.37 U | 0.40 U |
| Dichlorobenzene, 1,4- | | 1.8 | 1.9 UJ | 0.37 U | 0.40 U |
| Dichlorobenzidine, 3,3- | | -- | 3.9 UJ | 0.74 U | 0.79 U |
| Dichlorophenol, 2,4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Diethyl phthalate | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Dimethylphenol, 2,4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Dimethyl phthalate | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Di-n-butyl phthalate | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Di-n-octyl phthalate | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 9.4 UJ | 1.8 U | 1.9 U |
| Dinitrophenol, 2,4- | | -- | 9.4 UJ | 1.8 U | 1.9 U |
| Dinitrotoluene, 2,4- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Dinitrotoluene, 2,6- | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Fluoranthene | | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Fluorene | | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Hexachlorobenzene | | 1.2 | 1.9 UJ | 0.37 U | 0.40 U |
| Hexachlorobutadiene | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Hexachlorocyclopentadiene | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Hexachloroethane | | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 1.9 UJ | 0.37 U | 0.40 U |
| Isophorone | | -- | 1.9 UJ | 0.37 U | 0.40 U |

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| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-42 CGSB-42 (25-26) 25.00 to 26.00 -8.65 to -9.65 12/17/2004 | CGSB-42 CGSB-42 (40-40.5) 40.00 to 40.50 -23.65 to -24.15 12/17/2004 | CGSB-42 CGSB-42 (55.5-56) 55.50 to 56.00 -39.15 to -39.65 12/17/2004 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Methylphenol, 2- | 0.33 | 1.9 UJ | 0.37 U | 0.40 U |
| Methylphenol, 4- | 0.33 | 1.9 UJ | 0.37 U | 0.40 U |
| Naphthalene | 12 | 11 J | 0.53 | 0.40 U |
| Nitroaniline, 2- | -- | 9.4 UJ | 1.8 U | 1.9 U |
| Nitroaniline, 3- | -- | 9.4 UJ | 1.8 U | 1.9 U |
| Nitroaniline, 4- | -- | 3.9 UJ | 0.74 U | 0.79 U |
| Nitrobenzene | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Nitrophenol, 2- | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Nitrophenol, 4- | -- | 9.4 UJ | 1.8 U | 1.9 U |
| N-Nitrosodi-n-propylamine | -- | 1.9 UJ | 0.37 U | 0.40 U |
| N-Nitrosodiphenylamine | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Pentachlorophenol | 0.8 | 9.4 UJ | 1.8 U | 1.9 U |
| Phenanthrene | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Phenol | 0.33 | 1.9 UJ | 0.37 U | 0.40 U |
| Pyrene | 100 | 1.9 UJ | 0.37 U | 0.40 U |
| Trichlorobenzene, 1,2,4- | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Trichlorophenol, 2,4,5- | -- | 9.4 UJ | 1.8 U | 1.9 U |
| Trichlorophenol, 2,4,6- | -- | 1.9 UJ | 0.37 U | 0.40 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--------------------------------|-----------------------------|--|------------------------|-------------------|-------------------|
| | Location ID: | | CGSB-42 | CGSB-42 | CGSB-42 |
| | Sample ID: | | CGSB-42 (25-26) | CGSB-42 (40-40.5) | CGSB-42 (55.5-56) |
| | Sample Interval (feet bgs): | | 25.00 to 26.00 | 40.00 to 40.50 | 55.50 to 56.00 |
| Sample Interval (feet NAVD88): | | -8.65 to -9.65 | -23.65 to -24.15 | -39.15 to -39.65 | |
| Sample Date: | | 12/17/2004 | 12/17/2004 | 12/17/2004 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 15.1 J | 2.20 J | 12.7 U |
| Barium | | 400 | 18.6 J | 52.2 J | 22.8 J |
| Cadmium | | 4.3 | 11.1 UJ | 4.00 U | 4.80 U |
| Chromium | | 19 | 14.0 J | 8.30 | 4.60 B |
| Lead | | 400 | 6.50 J | 7.10 B | 2.40 J |
| Mercury | | 0.73 | 0.0390 UJ | 0.0120 U | 0.0130 U |
| Selenium | | 4 | 59.5 UJ | 21.2 U | 25.3 U |
| Silver | | 8.3 | 11.1 UJ | 4.00 U | 4.80 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 1.5 UJ | 0.55 UJ | 0.62 UJ |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|---------------------|
| | | | CGSB-43 | CGSB-43 | CGSB-43 |
| | | | CGSB-43 (19.5-20) | CGSB-43 (57-57.5) | CGSB-43 (101.5-102) |
| | | | 19.50 to 20.00 | 57.00 to 57.50 | 101.50 to 102.00 |
| | | | -10.11 to -10.61 | -47.61 to -48.11 | -92.11 to 7.39 |
| | | | 12/16/2004 | 12/16/2004 | 12/16/2004 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.017 UB | 0.012 UJB | 0.012 UJB |
| Benzene | | 0.06 | 0.0085 U | 0.0071 | 0.0058 U |
| Bromodichloromethane | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Bromoform | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Bromomethane | | -- | 0.0085 UJ | 0.0062 UJ | 0.0058 UJ |
| Butanone, 2- | | 0.12 | 0.017 U | 0.012 UJ | 0.012 UJ |
| Carbon disulfide | | -- | 0.0099 | 0.0062 U | 0.0058 U |
| Carbon tetrachloride | | 0.76 | 0.0085 U | 0.0062 U | 0.0058 U |
| Chlorobenzene | | 1.1 | 0.0085 U | 0.0062 U | 0.0058 UJ |
| Chloroethane | | -- | 0.0085 UJ | 0.0062 UJ | 0.0058 U |
| Chloroform | | 0.37 | 0.0085 U | 0.0062 U | 0.0058 U |
| Chloromethane | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Dibromochloromethane | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloropropane, 1,2- | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloropropene, cis-1,3- | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Dichloropropene, trans-1,3- | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Ethylbenzene | | 1 | 0.0085 U | 0.016 | 0.0058 U |
| Hexanone, 2- | | -- | 0.017 U | 0.012 U | 0.012 U |
| Methyl-2-pentanone, 4- | | -- | 0.017 U | 0.012 U | 0.012 U |
| Methylene chloride | | 0.05 | 0.0085 U | 0.0062 U | 0.0058 U |
| Styrene | | -- | 0.0085 U | R | R |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Tetrachloroethene | | 1.3 | 0.0085 U | 0.0062 U | 0.0058 U |
| Toluene | | 0.7 | 0.0085 U | 0.0062 U | 0.0058 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0085 U | 0.0062 U | 0.0058 U |
| Trichloroethane, 1,1,2- | | -- | 0.0085 U | 0.0062 U | 0.0058 U |
| Trichloroethene | | 0.47 | 0.0085 U | 0.0062 U | 0.0058 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0085 U | 0.0062 U | 0.0058 U |
| Xylenes, Total | | 1.6 | 0.0085 U | 0.0065 | 0.0058 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 1.1 U | 0.41 U | 0.37 U |
| Acenaphthylene | | 100 | 1.1 U | 0.13 J | 0.37 U |
| Anthracene | | 100 | 1.1 U | 0.41 U | 0.37 U |
| Benzo(a)anthracene | | 1 | 1.1 U | 0.41 U | 0.37 U |
| Benzo(a)pyrene | | 1 | 1.1 U | 0.41 U | 0.37 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-43 CGSB-43 (19.5-20) 19.50 to 20.00 -10.11 to -10.61 12/16/2004 | CGSB-43 CGSB-43 (57-57.5) 57.00 to 57.50 -47.61 to -48.11 12/16/2004 | CGSB-43 CGSB-43 (101.5-102) 101.50 to 102.00 -92.11 to 7.39 12/16/2004 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 1.1 U | 0.41 U | 0.37 U |
| Benzo(g,h,i)perylene | 100 | 1.1 U | 0.41 U | 0.37 U |
| Benzo(k)fluoranthene | 1.7 | 1.1 U | 0.41 U | 0.37 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 1.1 U | 0.41 U | 0.37 U |
| Bis(2-chloroethoxy)methane | -- | 1.1 U | 0.41 U | 0.37 U |
| Bis(2-chloroethyl)ether | -- | 1.1 U | 0.41 U | 0.37 U |
| Bis(2-ethylhexyl)phthalate | -- | 1.1 U | 0.41 U | 0.37 U |
| Bromophenyl phenyl ether, 4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Butyl benzyl phthalate | -- | 1.1 U | 0.41 U | 0.37 U |
| Carbazole | -- | 1.1 U | 0.41 U | 0.37 U |
| Chloro-3-methylphenol, 4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Chloroaniline, 4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Chloronaphthalene, 2- | -- | 1.1 U | 0.41 U | 0.37 U |
| Chlorophenol, 2- | -- | 1.1 U | 0.41 U | 0.37 U |
| Chlorophenyl phenyl ether, 4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Chrysene | 1 | 1.1 U | 0.41 U | 0.37 U |
| Dibenzo(a,h)anthracene | 0.33 | 1.1 U | 0.41 U | 0.37 U |
| Dibenzofuran | 59 | 1.1 U | 0.41 U | 0.37 U |
| Dichlorobenzene, 1,2- | 1.1 | 1.1 U | 0.41 U | 0.37 U |
| Dichlorobenzene, 1,3- | 2.4 | 1.1 U | 0.41 U | 0.37 U |
| Dichlorobenzene, 1,4- | 1.8 | 1.1 U | 0.41 U | 0.37 U |
| Dichlorobenzidine, 3,3- | -- | 2.3 U | 0.82 U | 0.75 U |
| Dichlorophenol, 2,4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Diethyl phthalate | -- | 1.1 U | 0.41 U | 0.37 U |
| Dimethylphenol, 2,4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Dimethyl phthalate | -- | 1.1 U | 0.41 U | 0.37 U |
| Di-n-butyl phthalate | -- | 1.1 U | 0.41 U | 0.37 U |
| Di-n-octyl phthalate | -- | 1.1 U | 0.41 U | 0.37 U |
| Dinitro-2-methylphenol, 4,6- | -- | 5.5 U | 2.0 U | 1.8 U |
| Dinitrophenol, 2,4- | -- | 5.5 U | 2.0 U | 1.8 U |
| Dinitrotoluene, 2,4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Dinitrotoluene, 2,6- | -- | 1.1 U | 0.41 U | 0.37 U |
| Fluoranthene | 100 | 1.1 U | 0.41 U | 0.37 U |
| Fluorene | 100 | 1.1 U | 0.41 U | 0.37 U |
| Hexachlorobenzene | 1.2 | 1.1 U | 0.41 U | 0.37 U |
| Hexachlorobutadiene | -- | 1.1 U | 0.41 U | 0.37 U |
| Hexachlorocyclopentadiene | -- | 1.1 UJ | 0.41 U | 0.37 UJ |
| Hexachloroethane | -- | 1.1 U | 0.41 U | 0.37 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 1.1 U | 0.41 U | 0.37 U |
| Isophorone | -- | 1.1 U | 0.41 U | 0.37 U |

Table 6
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-43 CGSB-43 (19.5-20) 19.50 to 20.00 -10.11 to -10.61 12/16/2004 | CGSB-43 CGSB-43 (57-57.5) 57.00 to 57.50 -47.61 to -48.11 12/16/2004 | CGSB-43 CGSB-43 (101.5-102) 101.50 to 102.00 -92.11 to 7.39 12/16/2004 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 1.1 U | 0.085 J | 0.37 U |
| Methylphenol, 2- | 0.33 | 1.1 U | 0.41 U | 0.37 U |
| Methylphenol, 4- | 0.33 | 1.1 U | 0.41 U | 0.37 U |
| Naphthalene | 12 | 1.1 U | 1.1 | 0.37 U |
| Nitroaniline, 2- | -- | 5.5 U | 2.0 U | 1.8 U |
| Nitroaniline, 3- | -- | 5.5 U | 2.0 U | 1.8 U |
| Nitroaniline, 4- | -- | 2.3 U | 0.82 U | 0.75 U |
| Nitrobenzene | -- | 1.1 U | 0.41 U | 0.37 U |
| Nitrophenol, 2- | -- | 1.1 U | 0.41 U | 0.37 U |
| Nitrophenol, 4- | -- | 5.5 U | 2.0 U | 1.8 U |
| N-Nitrosodi-n-propylamine | -- | 1.1 U | 0.41 U | 0.37 U |
| N-Nitrosodiphenylamine | -- | 1.1 U | 0.41 U | 0.37 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 1.1 U | 0.41 U | 0.37 U |
| Pentachlorophenol | 0.8 | 5.5 U | 2.0 U | 1.8 U |
| Phenanthrene | 100 | 1.1 U | 0.41 U | 0.37 U |
| Phenol | 0.33 | 1.1 U | 0.41 U | 0.37 U |
| Pyrene | 100 | 1.1 U | 0.41 U | 0.37 U |
| Trichlorobenzene, 1,2,4- | -- | 1.1 U | 0.41 U | 0.37 U |
| Trichlorophenol, 2,4,5- | -- | 5.5 U | 2.0 U | 1.8 U |
| Trichlorophenol, 2,4,6- | -- | 1.1 U | 0.41 U | 0.37 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|-------------------------------|---|--|--|--|--|
| | | | CGSB-43 CGSB-43 (19.5-20) 19.50 to 20.00 -10.11 to -10.61 12/16/2004 | CGSB-43 CGSB-43 (57-57.5) 57.00 to 57.50 -47.61 to -48.11 12/16/2004 | CGSB-43 CGSB-43 (101.5-102) 101.50 to 102.00 -92.11 to 7.39 12/16/2004 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 10.1 J | 11.2 U | 1.50 J |
| Barium | | 400 | 32.6 J | 16.9 J | 23.0 J |
| Cadmium | | 4.3 | 3.90 U | 4.20 U | 2.80 U |
| Chromium | | 19 | 38.3 | 7.10 | 7.70 |
| Lead | | 400 | 16.8 | 4.10 B | 3.30 B |
| Mercury | | 0.73 | 0.0320 B | 0.0120 U | 0.0130 U |
| Selenium | | 4 | 20.9 U | 22.5 U | 14.8 U |
| Silver | | 8.3 | 3.90 U | 4.20 U | 2.80 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.85 UJ | 0.62 UJ | 0.59 UJ |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-44 | CGSB-44 | CGSB-44 |
| | | | CGSB-44 (32.5-33) | CGSB-44 (45-45.5) | CGSB-44 (98.5-99) |
| | | | 32.50 to 33.00 | 45.00 to 45.50 | 98.50 to 99.00 |
| | | | -26.64 to -27.14 | -39.14 to -39.64 | -92.64 to -93.14 |
| | | | 12/14/2004 | 12/14/2004 | 12/14/2004 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 15 U | 74 U | 0.012 UJ |
| Benzene | | 0.06 | 3.6 J | 17 J | 0.0059 U |
| Bromodichloromethane | | -- | 5.9 U | 29 U | 0.0059 U |
| Bromoform | | -- | 5.9 U | 29 U | 0.0059 U |
| Bromomethane | | -- | 5.9 U | 29 U | 0.0059 U |
| Butanone, 2- | | 0.12 | 2.2 J | 7.9 J | 0.012 U |
| Carbon disulfide | | -- | 5.9 U | 29 U | 0.0059 U |
| Carbon tetrachloride | | 0.76 | 5.9 U | 29 U | 0.0059 U |
| Chlorobenzene | | 1.1 | 5.9 U | 29 U | 0.0059 U |
| Chloroethane | | -- | 5.9 U | R | 0.0059 UJ |
| Chloroform | | 0.37 | 5.9 U | 29 U | 0.0059 U |
| Chloromethane | | -- | 5.9 UJ | 29 U | 0.0059 U |
| Dibromochloromethane | | -- | 5.9 U | 29 U | 0.0059 U |
| Dichloroethane, 1,1- | | 0.27 | 5.9 U | 29 U | 0.0059 U |
| Dichloroethane, 1,2- | | 0.02 | 5.9 U | 29 U | 0.0059 U |
| Dichloroethene, 1,1- | | 0.33 | 5.9 U | 29 U | 0.0059 U |
| Dichloroethene, cis-1,2- | | 0.25 | 5.9 U | 29 U | 0.0059 U |
| Dichloroethene, trans-1,2- | | 0.19 | 5.9 U | 29 U | 0.0059 U |
| Dichloropropane, 1,2- | | -- | 5.9 U | 29 U | 0.0059 U |
| Dichloropropene, cis-1,3- | | -- | 5.9 U | 29 U | 0.0059 U |
| Dichloropropene, trans-1,3- | | -- | 5.9 U | 29 U | 0.0059 U |
| Ethylbenzene | | 1 | 67 | 280 | 0.0059 U |
| Hexanone, 2- | | -- | 5.9 UJ | 29 U | 0.012 UJ |
| Methyl-2-pentanone, 4- | | -- | 5.9 U | 29 U | 0.012 UJ |
| Methylene chloride | | 0.05 | 5.9 UJB | 29 UJ | 0.0059 U |
| Styrene | | -- | 5.9 U | 13 J | 0.0059 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 5.9 U | 29 U | 0.0059 UJ |
| Tetrachloroethene | | 1.3 | 5.9 U | 29 U | 0.0059 U |
| Toluene | | 0.7 | 5.9 UJB | 59 B | 0.0037 J |
| Trichloroethane, 1,1,1- | | 0.68 | 5.9 U | 29 U | 0.0059 U |
| Trichloroethane, 1,1,2- | | -- | 5.9 U | 29 U | 0.0059 U |
| Trichloroethene | | 0.47 | 5.9 U | 29 U | 0.0059 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 5.9 U | 29 U | 0.0059 U |
| Xylenes, Total | | 1.6 | 75 | 300 | 0.0059 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 290 | 890 J | 0.38 U |
| Acenaphthylene | | 100 | 49 J | 960 J | 0.38 U |
| Anthracene | | 100 | 130 J | 690 J | 0.066 J |
| Benzo(a)anthracene | | 1 | 64 J | 380 J | 0.38 U |
| Benzo(a)pyrene | | 1 | 46 J | 270 J | 0.38 U |

Table 6
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Data Summary Report for Off-Site Area

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Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-44 | CGSB-44 | CGSB-44 |
| | | | CGSB-44 (32.5-33) | CGSB-44 (45-45.5) | CGSB-44 (98.5-99) |
| | | | 32.50 to 33.00 | 45.00 to 45.50 | 98.50 to 99.00 |
| | | | -26.64 to -27.14 | -39.14 to -39.64 | -92.64 to -93.14 |
| | | | 12/14/2004 | 12/14/2004 | 12/14/2004 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 190 U | 1,200 U | 0.38 U |
| Benzo(g,h,i)perylene | | 100 | 190 U | 1,200 U | 0.38 U |
| Benzo(k)fluoranthene | | 1.7 | 190 U | 170 J | 0.38 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 190 U | 1,200 U | 0.38 U |
| Bis(2-chloroethoxy)methane | | -- | 190 U | 1,200 U | 0.38 U |
| Bis(2-chloroethyl)ether | | -- | 190 U | 1,200 U | 0.38 U |
| Bis(2-ethylhexyl)phthalate | | -- | 190 U | 1,200 U | 0.38 U |
| Bromophenyl phenyl ether, 4- | | -- | 190 U | 1,200 U | 0.38 U |
| Butyl benzyl phthalate | | -- | 190 U | 1,200 U | 0.38 U |
| Carbazole | | -- | 190 U | 1,200 U | 0.38 U |
| Chloro-3-methylphenol, 4- | | -- | 190 U | 1,200 U | 0.38 U |
| Chloroaniline, 4- | | -- | 190 U | 1,200 U | 0.38 U |
| Chloronaphthalene, 2- | | -- | 190 U | 1,200 U | 0.38 U |
| Chlorophenol, 2- | | -- | 190 U | 1,200 U | 0.38 U |
| Chlorophenyl phenyl ether, 4- | | -- | 190 U | 1,200 U | 0.38 U |
| Chrysene | | 1 | 62 J | 350 J | 0.38 U |
| Dibenzo(a,h)anthracene | | 0.33 | 190 U | 1,200 U | 0.38 U |
| Dibenzofuran | | 59 | 190 U | 1,200 U | 0.38 U |
| Dichlorobenzene, 1,2- | | 1.1 | 190 U | 1,200 U | 0.38 U |
| Dichlorobenzene, 1,3- | | 2.4 | 190 U | 1,200 U | 0.38 U |
| Dichlorobenzene, 1,4- | | 1.8 | 190 U | 1,200 U | 0.38 U |
| Dichlorobenzidine, 3,3- | | -- | 380 U | 2,400 U | 0.76 U |
| Dichlorophenol, 2,4- | | -- | 190 U | 1,200 U | 0.38 U |
| Diethyl phthalate | | -- | 190 U | 1,200 U | 0.38 U |
| Dimethylphenol, 2,4- | | -- | 190 U | 1,200 U | 0.38 U |
| Dimethyl phthalate | | -- | 190 U | 1,200 U | 0.38 U |
| Di-n-butyl phthalate | | -- | 190 U | 1,200 U | 0.38 U |
| Di-n-octyl phthalate | | -- | 190 U | 1,200 U | 0.38 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 930 U | 5,800 U | 1.8 U |
| Dinitrophenol, 2,4- | | -- | 930 U | 5,800 U | 1.8 U |
| Dinitrotoluene, 2,4- | | -- | 190 U | 1,200 U | 0.38 U |
| Dinitrotoluene, 2,6- | | -- | 190 U | 1,200 U | 0.38 U |
| Fluoranthene | | 100 | 130 J | 690 J | 0.072 J |
| Fluorene | | 100 | 160 J | 800 J | 0.38 U |
| Hexachlorobenzene | | 1.2 | 190 U | 1,200 U | 0.38 U |
| Hexachlorobutadiene | | -- | 190 U | 1,200 U | 0.38 U |
| Hexachlorocyclopentadiene | | -- | 190 UJ | 1,200 UJ | 0.38 UJ |
| Hexachloroethane | | -- | 190 U | 1,200 U | 0.38 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 190 U | 1,200 U | 0.38 U |
| Isophorone | | -- | 190 U | 1,200 U | 0.38 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-44 CGSB-44 (32.5-33) 32.50 to 33.00 -26.64 to -27.14 12/14/2004 | CGSB-44 CGSB-44 (45-45.5) 45.00 to 45.50 -39.14 to -39.64 12/14/2004 | CGSB-44 CGSB-44 (98.5-99) 98.50 to 99.00 -92.64 to -93.14 12/14/2004 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 540 | 2,900 | 0.093 J |
| Methylphenol, 2- | 0.33 | 190 U | 1,200 U | 0.38 U |
| Methylphenol, 4- | 0.33 | 190 U | 1,200 U | 0.38 U |
| Naphthalene | 12 | 890 | 5,300 | 0.13 J |
| Nitroaniline, 2- | -- | 930 U | 5,800 U | 1.8 U |
| Nitroaniline, 3- | -- | 930 U | 5,800 U | 1.8 U |
| Nitroaniline, 4- | -- | 380 U | 2,400 U | 0.76 U |
| Nitrobenzene | -- | 190 U | 1,200 U | 0.38 U |
| Nitrophenol, 2- | -- | 190 U | 1,200 U | 0.38 U |
| Nitrophenol, 4- | -- | 930 U | 5,800 U | 1.8 U |
| N-Nitrosodi-n-propylamine | -- | 190 U | 1,200 U | 0.38 U |
| N-Nitrosodiphenylamine | -- | 190 U | 1,200 U | 0.38 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 190 U | 1,200 U | 0.38 U |
| Pentachlorophenol | 0.8 | 930 U | 5,800 U | 1.8 U |
| Phenanthrene | 100 | 430 | 2,400 | 0.19 J |
| Phenol | 0.33 | 190 U | 1,200 U | 0.38 U |
| Pyrene | 100 | 190 J | 1,100 J | 0.094 J |
| Trichlorobenzene, 1,2,4- | -- | 190 U | 1,200 U | 0.38 U |
| Trichlorophenol, 2,4,5- | -- | 930 U | 5,800 U | 1.8 U |
| Trichlorophenol, 2,4,6- | -- | 190 U | 1,200 U | 0.38 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--------------------------------|-----------------------------|-------------------------------------|------------------------|-------------------|-------------------|
| | Location ID: | | CGSB-44 | CGSB-44 | CGSB-44 |
| | Sample ID: | | CGSB-44 (32.5-33) | CGSB-44 (45-45.5) | CGSB-44 (98.5-99) |
| | Sample Interval (feet bgs): | | 32.50 to 33.00 | 45.00 to 45.50 | 98.50 to 99.00 |
| Sample Interval (feet NAVD88): | Sample Date: | -26.64 to -27.14 | -39.14 to -39.64 | -92.64 to -93.14 | |
| Sample Date: | | 12/14/2004 | 12/14/2004 | 12/14/2004 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 2.60 J | 2.40 J | 3.20 J |
| Barium | | 400 | 17.8 J | 66.2 | 41.4 J |
| Cadmium | | 4.3 | 3.20 U | 3.00 U | 4.30 U |
| Chromium | | 19 | 8.70 | 5.30 | 18.9 |
| Lead | | 400 | 3.60 B | 2.00 B | 16.3 |
| Mercury | | 0.73 | 0.0120 U | 0.0140 U | 0.00990 U |
| Selenium | | 4 | 17.3 U | 16.1 U | 22.7 U |
| Silver | | 8.3 | 3.20 U | 3.00 U | 4.30 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.57 UJ | 0.57 UJ | 0.56 UJ |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-44 | CGSB-48 | CGSB-48 |
| | | | CGSB-XX 0-2_12_14_04 | CGSB-48 (22-22.5) | CGSB-48 (33.5-34) |
| | | | 98.50 to 99.00 | 22.00 to 22.50 | 33.50 to 34.00 |
| | | | -92.64 to -93.14 | -15.36 to -15.86 | -26.86 to -27.36 |
| | | | 12/14/2004 | 1/21/2005 | 1/22/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.012 UJ | 28 U | 30 U |
| Benzene | | 0.06 | 0.0059 U | 7.5 J | 16 |
| Bromodichloromethane | | -- | 0.0059 U | 11 U | 12 U |
| Bromoform | | -- | 0.0059 U | 11 U | 12 U |
| Bromomethane | | -- | 0.0059 U | 11 U | 12 U |
| Butanone, 2- | | 0.12 | 0.012 U | 11 U | 12 U |
| Carbon disulfide | | -- | 0.0059 U | 11 U | 12 U |
| Carbon tetrachloride | | 0.76 | 0.0059 U | 11 U | 12 U |
| Chlorobenzene | | 1.1 | 0.0059 U | 11 U | 12 U |
| Chloroethane | | -- | 0.0059 UJ | 11 U | 12 U |
| Chloroform | | 0.37 | 0.0059 U | 11 U | 12 U |
| Chloromethane | | -- | 0.0059 U | 11 U | 12 U |
| Dibromochloromethane | | -- | 0.0059 U | 11 U | 12 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0059 U | 11 U | 12 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0059 U | 11 U | 12 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0059 U | 11 U | 12 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0059 U | 11 U | 12 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0059 U | 11 U | 12 U |
| Dichloropropane, 1,2- | | -- | 0.0059 U | 11 U | 12 U |
| Dichloropropene, cis-1,3- | | -- | 0.0059 U | 11 U | 12 U |
| Dichloropropene, trans-1,3- | | -- | 0.0059 U | 11 U | 12 U |
| Ethylbenzene | | 1 | 0.0059 U | 67 | 120 |
| Hexanone, 2- | | -- | 0.012 UJ | 11 U | 12 U |
| Methyl-2-pentanone, 4- | | -- | 0.012 UJ | 11 U | 12 U |
| Methylene chloride | | 0.05 | 0.0059 U | 11 UJB | 12 UJB |
| Styrene | | -- | 0.0059 U | 6.8 J | 12 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0059 UJ | 11 U | 12 U |
| Tetrachloroethene | | 1.3 | 0.0059 U | 11 UJ | 12 UJ |
| Toluene | | 0.7 | 0.0026 J | 19 B | 53 B |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0059 U | 11 U | 12 U |
| Trichloroethane, 1,1,2- | | -- | 0.0059 U | 11 U | 12 U |
| Trichloroethene | | 0.47 | 0.0059 U | 11 U | 12 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0059 U | 11 U | 12 U |
| Xylenes, Total | | 1.6 | 0.0059 U | 90 J | 110 J |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.38 U | 560 J | 1,900 |
| Acenaphthylene | | 100 | 0.38 U | 530 J | 430 J |
| Anthracene | | 100 | 0.38 U | 550 J | 1,100 J |
| Benzo(a)anthracene | | 1 | 0.38 U | 290 J | 570 J |
| Benzo(a)pyrene | | 1 | 0.38 U | 200 J | 370 J |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGSB-44 CGSB-XX 0-2_12_14_04 98.50 to 99.00 -92.64 to -93.14 12/14/2004 | CGSB-48 CGSB-48 (22-22.5) 22.00 to 22.50 -15.36 to -15.86 1/21/2005 | CGSB-48 CGSB-48 (33.5-34) 33.50 to 34.00 -26.86 to -27.36 1/22/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.38 U | 600 U | 1,500 U |
| Benzo(g,h,i)perylene | 100 | 0.38 U | 600 U | 1,500 U |
| Benzo(k)fluoranthene | 1.7 | 0.38 U | 110 J | 1,500 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 0.38 U | 600 U | 1,500 U |
| Bis(2-chloroethoxy)methane | -- | 0.38 U | 600 U | 1,500 U |
| Bis(2-chloroethyl)ether | -- | 0.38 U | 600 U | 1,500 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.38 U | 600 U | 1,500 U |
| Bromophenyl phenyl ether, 4- | -- | 0.38 U | 600 U | 1,500 U |
| Butyl benzyl phthalate | -- | 0.38 U | 600 U | 1,500 U |
| Carbazole | -- | 0.38 U | 600 U | 1,500 U |
| Chloro-3-methylphenol, 4- | -- | 0.38 U | 600 U | 1,500 U |
| Chloroaniline, 4- | -- | 0.38 U | 600 U | 1,500 U |
| Chloronaphthalene, 2- | -- | 0.38 U | 600 U | 1,500 U |
| Chlorophenol, 2- | -- | 0.38 U | 600 U | 1,500 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.38 U | 600 U | 1,500 U |
| Chrysene | 1 | 0.38 U | 280 J | 550 J |
| Dibenzo(a,h)anthracene | 0.33 | 0.38 U | 600 U | 1,500 U |
| Dibenzofuran | 59 | 0.38 U | 600 U | 1,500 U |
| Dichlorobenzene, 1,2- | 1.1 | 0.38 U | 600 U | 1,500 U |
| Dichlorobenzene, 1,3- | 2.4 | 0.38 U | 600 U | 1,500 U |
| Dichlorobenzene, 1,4- | 1.8 | 0.38 U | 600 U | 1,500 U |
| Dichlorobenzidine, 3,3- | -- | 0.76 U | 1,200 U | 3,000 U |
| Dichlorophenol, 2,4- | -- | 0.38 U | 600 U | 1,500 U |
| Diethyl phthalate | -- | 0.38 U | 600 U | 1,500 U |
| Dimethylphenol, 2,4- | -- | 0.38 U | 600 U | 1,500 U |
| Dimethyl phthalate | -- | 0.38 U | 600 U | 1,500 U |
| Di-n-butyl phthalate | -- | 0.38 U | 600 U | 1,500 U |
| Di-n-octyl phthalate | -- | 0.38 U | 600 U | 1,500 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.8 U | 2,900 U | 7,300 U |
| Dinitrophenol, 2,4- | -- | 1.8 U | 2,900 U | 7,300 U |
| Dinitrotoluene, 2,4- | -- | 0.38 U | 600 U | 1,500 U |
| Dinitrotoluene, 2,6- | -- | 0.38 U | 600 U | 1,500 U |
| Fluoranthene | 100 | 0.38 U | 540 J | 1,100 J |
| Fluorene | 100 | 0.38 U | 630 | 1,300 J |
| Hexachlorobenzene | 1.2 | 0.38 U | 600 U | 1,500 U |
| Hexachlorobutadiene | -- | 0.38 U | 600 U | 1,500 U |
| Hexachlorocyclopentadiene | -- | 0.38 U | 600 U | 1,500 U |
| Hexachloroethane | -- | 0.38 U | 600 U | 1,500 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.38 U | 600 U | 1,500 U |
| Isophorone | -- | 0.38 U | 600 U | 1,500 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGSB-44 CGSB-XX 0-2_12_14_04 98.50 to 99.00 -92.64 to -93.14 12/14/2004 | CGSB-48 CGSB-48 (22-22.5) 22.00 to 22.50 -15.36 to -15.86 1/21/2005 | CGSB-48 CGSB-48 (33.5-34) 33.50 to 34.00 -26.86 to -27.36 1/22/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.38 U | 1,900 | 3,700 |
| Methylphenol, 2- | 0.33 | 0.38 U | 600 U | 1,500 U |
| Methylphenol, 4- | 0.33 | 0.38 U | 600 U | 1,500 U |
| Naphthalene | 12 | 0.38 U | 2,300 | 6,400 |
| Nitroaniline, 2- | -- | 1.8 U | 2,900 U | 7,300 U |
| Nitroaniline, 3- | -- | 1.8 U | 2,900 U | 7,300 U |
| Nitroaniline, 4- | -- | 0.76 U | 1,200 U | 3,000 U |
| Nitrobenzene | -- | 0.38 U | 600 U | 1,500 U |
| Nitrophenol, 2- | -- | 0.38 U | 600 U | 1,500 U |
| Nitrophenol, 4- | -- | 1.8 U | 2,900 U | 7,300 U |
| N-Nitrosodi-n-propylamine | -- | 0.38 U | 600 U | 1,500 U |
| N-Nitrosodiphenylamine | -- | 0.38 U | 600 U | 1,500 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.38 U | 600 U | 1,500 U |
| Pentachlorophenol | 0.8 | 1.8 U | 2,900 U | 7,300 U |
| Phenanthrene | 100 | 0.38 U | 1,700 | 3,300 |
| Phenol | 0.33 | 0.38 U | 600 U | 1,500 U |
| Pyrene | 100 | 0.38 U | 730 | 1,300 J |
| Trichlorobenzene, 1,2,4- | -- | 0.38 U | 600 U | 1,500 U |
| Trichlorophenol, 2,4,5- | -- | 1.8 U | 2,900 U | 7,300 U |
| Trichlorophenol, 2,4,6- | -- | 0.38 U | 600 U | 1,500 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGSB-44 CGSB-XX 0-2_12_14_04 98.50 to 99.00 -92.64 to -93.14 12/14/2004 | CGSB-48 CGSB-48 (22-22.5) 22.00 to 22.50 -15.36 to -15.86 1/21/2005 | CGSB-48 CGSB-48 (33.5-34) 33.50 to 34.00 -26.86 to -27.36 1/22/2005 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 3.80 J | 3.00 J | 4.30 B |
| Barium | 400 | 58.7 | 8.80 J | 15.0 J |
| Cadmium | 4.3 | 3.70 U | 4.10 U | 4.10 U |
| Chromium | 19 | 18.7 | 6.60 | 6.10 |
| Lead | 400 | 24.4 | 3.70 B | 3.10 B |
| Mercury | 0.73 | 0.0110 U | 0.0170 U | 0.0160 U |
| Selenium | 4 | 19.5 U | 21.7 U | 22.1 U |
| Silver | 8.3 | 3.70 U | 4.10 U | 4.10 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.58 UJ | 0.53 U | 0.56 U |
| Cyanide, Free | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-----------------|-------------------|
| | | | CGSB-48 | CGSB-49 | CGSB-49 |
| | | | CGSB-48 (131-132) | CGSB-49 (7.5-8) | CGSB-49 (13.5-14) |
| | | | 131.00 to 132.00 | 7.50 to 8.00 | 13.50 to 14.00 |
| | | | -124.36 to -25.36 | 1.00 to 0.50 | -5.00 to -5.50 |
| | | | 1/24/2005 | 2/6/2005 | 2/6/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.012 UB | 0.012 UB | 0.17 J |
| Benzene | | 0.06 | 0.0061 U | 0.0058 U | 0.014 UJ |
| Bromodichloromethane | | -- | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Bromoform | | -- | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Bromomethane | | -- | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Butanone, 2- | | 0.12 | 0.012 UJ | 0.012 UJ | 0.053 J |
| Carbon disulfide | | -- | 0.0061 U | 0.0058 U | 0.014 UJ |
| Carbon tetrachloride | | 0.76 | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Chlorobenzene | | 1.1 | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Chloroethane | | -- | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Chloroform | | 0.37 | 0.0061 U | 0.0058 U | 0.014 UJ |
| Chloromethane | | -- | 0.0061 U | 0.0058 U | 0.014 UJ |
| Dibromochloromethane | | -- | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Dichloroethane, 1,1- | | 0.27 | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Dichloroethane, 1,2- | | 0.02 | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Dichloroethene, 1,1- | | 0.33 | 0.0061 U | 0.0058 U | 0.014 UJ |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0061 U | 0.0058 U | 0.014 UJ |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0061 U | 0.0058 U | 0.014 UJ |
| Dichloropropane, 1,2- | | -- | 0.0061 U | 0.0058 U | 0.014 UJ |
| Dichloropropene, cis-1,3- | | -- | 0.0061 U | 0.0058 U | 0.014 UJ |
| Dichloropropene, trans-1,3- | | -- | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Ethylbenzene | | 1 | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Hexanone, 2- | | -- | 0.012 U | 0.012 UJ | 0.028 UJ |
| Methyl-2-pentanone, 4- | | -- | 0.012 U | 0.012 UJ | 0.028 UJ |
| Methylene chloride | | 0.05 | 0.012 UJB | 0.012 U | 0.028 UJB |
| Styrene | | -- | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0061 U | R | 0.014 UJ |
| Tetrachloroethene | | 1.3 | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Toluene | | 0.7 | 0.0061 U | 0.0058 UJ | 0.0067 J |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Trichloroethane, 1,1,2- | | -- | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Trichloroethene | | 0.47 | 0.0061 UJ | 0.0058 U | 0.014 UJ |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0061 U | 0.0058 U | 0.014 UJ |
| Xylenes, Total | | 1.6 | 0.0061 U | 0.0058 UJ | 0.014 UJ |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.40 U | 0.37 U | 0.91 UJ |
| Acenaphthylene | | 100 | 0.40 U | 0.37 U | 0.91 UJ |
| Anthracene | | 100 | 0.40 U | 0.081 J | 0.91 UJ |
| Benzo(a)anthracene | | 1 | 0.40 U | 0.19 J | 0.91 UJ |
| Benzo(a)pyrene | | 1 | 0.40 U | 0.13 J | 0.91 UJ |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-48 CGSB-48 (131-132) 131.00 to 132.00 -124.36 to -25.36 1/24/2005 | CGSB-49 CGSB-49 (7.5-8) 7.50 to 8.00 1.00 to 0.50 2/6/2005 | CGSB-49 CGSB-49 (13.5-14) 13.50 to 14.00 -5.00 to -5.50 2/6/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.40 U | 0.18 J | 0.91 UJ |
| Benzo(g,h,i)perylene | 100 | 0.40 U | 0.076 J | 0.91 UJ |
| Benzo(k)fluoranthene | 1.7 | 0.40 U | 0.14 J | 0.91 UJ |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Bis(2-chloroethoxy)methane | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Bis(2-chloroethyl)ether | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Bis(2-ethylhexyl)phthalate | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Bromophenyl phenyl ether, 4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Butyl benzyl phthalate | -- | 0.40 U | 0.37 UJ | 0.91 UJ |
| Carbazole | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Chloro-3-methylphenol, 4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Chloroaniline, 4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Chloronaphthalene, 2- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Chlorophenol, 2- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Chlorophenyl phenyl ether, 4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Chrysene | 1 | 0.40 U | 0.22 J | 0.91 UJ |
| Dibenzo(a,h)anthracene | 0.33 | 0.40 U | 0.37 U | 0.91 UJ |
| Dibenzofuran | 59 | 0.40 U | 0.37 U | 0.91 UJ |
| Dichlorobenzene, 1,2- | 1.1 | 0.40 U | 0.37 U | 0.91 UJ |
| Dichlorobenzene, 1,3- | 2.4 | 0.40 U | 0.37 U | 0.91 UJ |
| Dichlorobenzene, 1,4- | 1.8 | 0.40 U | 0.37 U | 0.91 UJ |
| Dichlorobenzidine, 3,3- | -- | 0.79 UJ | 0.74 U | 1.8 UJ |
| Dichlorophenol, 2,4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Diethyl phthalate | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Dimethylphenol, 2,4- | -- | 0.40 U | 0.37 UJ | 0.91 UJ |
| Dimethyl phthalate | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Di-n-butyl phthalate | -- | 0.40 U | 0.37 UJ | 0.91 UJ |
| Di-n-octyl phthalate | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Dinitro-2-methylphenol, 4,6- | -- | 1.9 U | 1.8 U | 4.4 UJ |
| Dinitrophenol, 2,4- | -- | 1.9 UJ | 1.8 U | 4.4 UJ |
| Dinitrotoluene, 2,4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Dinitrotoluene, 2,6- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Fluoranthene | 100 | 0.40 U | 0.43 J | 0.91 UJ |
| Fluorene | 100 | 0.40 U | 0.37 U | 0.91 UJ |
| Hexachlorobenzene | 1.2 | 0.40 U | 0.37 U | 0.91 UJ |
| Hexachlorobutadiene | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Hexachlorocyclopentadiene | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Hexachloroethane | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.40 U | 0.061 J | 0.91 UJ |
| Isophorone | -- | 0.40 U | 0.37 U | 0.91 UJ |

Table 6
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NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-48 CGSB-48 (131-132) 131.00 to 132.00 -124.36 to -25.36 1/24/2005 | CGSB-49 CGSB-49 (7.5-8) 7.50 to 8.00 1.00 to 0.50 2/6/2005 | CGSB-49 CGSB-49 (13.5-14) 13.50 to 14.00 -5.00 to -5.50 2/6/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.40 U | 0.20 J | 0.91 UJ |
| Methylphenol, 2- | 0.33 | 0.40 UJ | 0.37 U | 0.91 UJ |
| Methylphenol, 4- | 0.33 | 0.40 U | 0.37 U | 0.91 UJ |
| Naphthalene | 12 | 0.40 U | 0.25 J | 0.91 UJ |
| Nitroaniline, 2- | -- | 1.9 U | 1.8 UJ | 4.4 UJ |
| Nitroaniline, 3- | -- | 1.9 U | 1.8 U | 4.4 UJ |
| Nitroaniline, 4- | -- | 0.79 UJ | 0.74 U | 1.8 UJ |
| Nitrobenzene | -- | 0.40 U | 0.37 UJ | 0.91 UJ |
| Nitrophenol, 2- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Nitrophenol, 4- | -- | 1.9 U | 1.8 U | 4.4 UJ |
| N-Nitrosodi-n-propylamine | -- | 0.40 U | 0.37 U | 0.91 UJ |
| N-Nitrosodiphenylamine | -- | 0.40 U | 0.059 J | 0.91 UJ |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.40 U | 0.37 UJ | 0.91 UJ |
| Pentachlorophenol | 0.8 | 1.9 U | 1.8 U | 4.4 UJ |
| Phenanthrene | 100 | 0.40 U | 0.36 J | 0.91 UJ |
| Phenol | 0.33 | 0.40 U | 0.37 U | 0.91 UJ |
| Pyrene | 100 | 0.40 U | 0.47 | 0.91 UJ |
| Trichlorobenzene, 1,2,4- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Trichlorophenol, 2,4,5- | -- | 1.9 U | 1.8 U | 4.4 UJ |
| Trichlorophenol, 2,4,6- | -- | 0.40 U | 0.37 U | 0.91 UJ |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|-------------------------------|---|--|--|--|--|
| | | | CGSB-48 CGSB-48 (131-132) 131.00 to 132.00 -124.36 to -25.36 1/24/2005 | CGSB-49 CGSB-49 (7.5-8) 7.50 to 8.00 1.00 to 0.50 2/6/2005 | CGSB-49 CGSB-49 (13.5-14) 13.50 to 14.00 -5.00 to -5.50 2/6/2005 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 4.90 B | 13.8 J | 7.00 J |
| Barium | | 400 | 37.4 J | 26.7 J | 18.0 J |
| Cadmium | | 4.3 | 4.00 U | 4.10 U | 10.6 UJ |
| Chromium | | 19 | 10.8 | 7.40 | 12.4 J |
| Lead | | 400 | 4.10 B | 52.6 J | 198 J |
| Mercury | | 0.73 | 0.0120 U | 0.0450 B | 0.140 UJ |
| Selenium | | 4 | 21.4 U | 8.00 J | 56.3 UJ |
| Silver | | 8.3 | 4.00 U | 4.10 U | 10.6 UJ |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.60 U | 0.047 J | 0.13 J |
| Cyanide, Free | | -- | NA | NA | NA |

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| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-49 CGSB-49 (117-118) 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-49 CGSB-XX 0-2_02_07_05 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-52 CGSB-52 (13-13.5) 13.00 to 13.50 -6.95 to -7.45 3/30/2005 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.011 UJB | 0.012 UB | 0.12 J |
| Benzene | 0.06 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Bromodichloromethane | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Bromoform | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Bromomethane | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Butanone, 2- | 0.12 | 0.011 UJ | 0.012 UJ | 0.012 UJ |
| Carbon disulfide | -- | 0.0057 UJ | 0.0058 U | 0.0029 J |
| Carbon tetrachloride | 0.76 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Chlorobenzene | 1.1 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Chloroethane | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Chloroform | 0.37 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Chloromethane | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dibromochloromethane | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloroethane, 1,1- | 0.27 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloroethane, 1,2- | 0.02 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloroethene, 1,1- | 0.33 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloroethene, cis-1,2- | 0.25 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloroethene, trans-1,2- | 0.19 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloropropane, 1,2- | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloropropene, cis-1,3- | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Dichloropropene, trans-1,3- | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Ethylbenzene | 1 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Hexanone, 2- | -- | 0.011 UJ | 0.012 U | 0.012 UJ |
| Methyl-2-pentanone, 4- | -- | 0.011 UJ | 0.012 U | 0.012 UJ |
| Methylene chloride | 0.05 | 0.011 UJB | 0.012 UJB | 0.012 UJB |
| Styrene | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Tetrachloroethene | 1.3 | 0.0057 UJ | 0.0058 U | 0.0033 J |
| Toluene | 0.7 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Trichloroethane, 1,1,1- | 0.68 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Trichloroethane, 1,1,2- | -- | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Trichloroethene | 0.47 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Xylenes, Total | 1.6 | 0.0057 UJ | 0.0058 U | 0.0062 UJ |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.37 U | 0.36 U | 0.11 J |
| Acenaphthylene | 100 | 0.37 U | 0.36 U | 0.088 J |
| Anthracene | 100 | 0.37 U | 0.36 U | 0.30 J |
| Benzo(a)anthracene | 1 | 0.37 U | 0.36 U | 0.99 |
| Benzo(a)pyrene | 1 | 0.37 U | 0.36 U | 0.77 |

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| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-49 CGSB-49 (117-118) 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-49 CGSB-XX 0-2_02_07_05 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-52 CGSB-52 (13-13.5) 13.00 to 13.50 -6.95 to -7.45 3/30/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.37 U | 0.36 U | 0.50 H |
| Benzo(g,h,i)perylene | 100 | 0.37 U | 0.36 U | 0.46 |
| Benzo(k)fluoranthene | 1.7 | 0.37 U | 0.36 U | 0.62 |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 0.37 U | 0.36 U | 0.41 U |
| Bis(2-chloroethoxy)methane | -- | 0.37 U | 0.36 U | 0.41 U |
| Bis(2-chloroethyl)ether | -- | 0.37 U | 0.36 U | 0.41 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.37 U | 0.36 U | 0.41 U |
| Bromophenyl phenyl ether, 4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Butyl benzyl phthalate | -- | 0.37 UJ | 0.36 UJ | 0.41 U |
| Carbazole | -- | 0.37 U | 0.36 U | 0.41 U |
| Chloro-3-methylphenol, 4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Chloroaniline, 4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Chloronaphthalene, 2- | -- | 0.37 U | 0.36 U | 0.41 U |
| Chlorophenol, 2- | -- | 0.37 U | 0.36 U | 0.41 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Chrysene | 1 | 0.37 U | 0.36 U | 1.1 |
| Dibenzo(a,h)anthracene | 0.33 | 0.37 U | 0.36 U | 0.15 J |
| Dibenzofuran | 59 | 0.37 U | 0.36 U | 0.10 J |
| Dichlorobenzene, 1,2- | 1.1 | 0.37 U | 0.36 U | 0.41 U |
| Dichlorobenzene, 1,3- | 2.4 | 0.37 U | 0.36 U | 0.41 U |
| Dichlorobenzene, 1,4- | 1.8 | 0.37 U | 0.36 U | 0.41 U |
| Dichlorobenzidine, 3,3- | -- | 0.75 U | 0.73 U | 0.82 U |
| Dichlorophenol, 2,4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Diethyl phthalate | -- | 0.37 U | 0.36 U | 0.41 U |
| Dimethylphenol, 2,4- | -- | 0.37 UJ | 0.36 UJ | 0.41 U |
| Dimethyl phthalate | -- | 0.37 U | 0.36 U | 0.41 U |
| Di-n-butyl phthalate | -- | 0.37 UJ | 0.36 UJ | 0.41 U |
| Di-n-octyl phthalate | -- | 0.37 U | 0.36 U | 0.41 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.8 U | 1.8 U | 2.0 U |
| Dinitrophenol, 2,4- | -- | 1.8 U | 1.8 U | 2.0 U |
| Dinitrotoluene, 2,4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Dinitrotoluene, 2,6- | -- | 0.37 U | 0.36 U | 0.41 U |
| Fluoranthene | 100 | 0.37 U | 0.36 U | 2.1 |
| Fluorene | 100 | 0.37 U | 0.36 U | 0.086 J |
| Hexachlorobenzene | 1.2 | 0.37 U | 0.36 U | 0.41 U |
| Hexachlorobutadiene | -- | 0.37 U | 0.36 U | 0.41 U |
| Hexachlorocyclopentadiene | -- | 0.37 U | 0.36 U | 0.41 U |
| Hexachloroethane | -- | 0.37 U | 0.36 U | 0.41 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.37 U | 0.36 U | 0.49 J |
| Isophorone | -- | 0.37 U | 0.36 U | 0.41 U |

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| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-49 CGSB-49 (117-118) 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-49 CGSB-XX 0-2_02_07_05 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-52 CGSB-52 (13-13.5) 13.00 to 13.50 -6.95 to -7.45 3/30/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.37 U | 0.36 U | 0.11 J |
| Methylphenol, 2- | 0.33 | 0.37 U | 0.36 U | 0.41 U |
| Methylphenol, 4- | 0.33 | 0.37 U | 0.36 U | 0.41 U |
| Naphthalene | 12 | 0.37 U | 0.36 U | 0.24 J |
| Nitroaniline, 2- | -- | 1.8 UJ | 1.8 UJ | 2.0 U |
| Nitroaniline, 3- | -- | 1.8 U | 1.8 U | 2.0 U |
| Nitroaniline, 4- | -- | 0.75 U | 0.73 U | 0.82 U |
| Nitrobenzene | -- | 0.37 UJ | 0.36 UJ | 0.41 U |
| Nitrophenol, 2- | -- | 0.37 U | 0.36 U | 0.41 U |
| Nitrophenol, 4- | -- | 1.8 U | 1.8 U | 2.0 U |
| N-Nitrosodi-n-propylamine | -- | 0.37 U | 0.36 U | 0.41 U |
| N-Nitrosodiphenylamine | -- | 0.37 U | 0.36 U | 0.41 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.37 UJ | 0.36 UJ | 0.41 U |
| Pentachlorophenol | 0.8 | 1.8 U | 1.8 U | 2.0 U |
| Phenanthrene | 100 | 0.37 U | 0.36 U | 0.38 J |
| Phenol | 0.33 | 0.37 U | 0.36 U | 0.41 U |
| Pyrene | 100 | 0.37 U | 0.36 U | 2.1 |
| Trichlorobenzene, 1,2,4- | -- | 0.37 U | 0.36 U | 0.41 U |
| Trichlorophenol, 2,4,5- | -- | 1.8 U | 1.8 U | 2.0 U |
| Trichlorophenol, 2,4,6- | -- | 0.37 U | 0.36 U | 0.41 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-49 CGSB-49 (117-118) 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-49 CGSB-XX 0-2_02_07_05 117.00 to 118.00 -108.50 to -9.50 2/7/2005 | CGSB-52 CGSB-52 (13-13.5) 13.00 to 13.50 -6.95 to -7.45 3/30/2005 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 2.50 J | 2.00 J | 43.7 |
| Barium | 400 | 27.7 J | 33.4 J | 117 * |
| Cadmium | 4.3 | 4.10 U | 4.10 U | 1.40 U |
| Chromium | 19 | 9.70 | 10.8 | 11.4 |
| Lead | 400 | 12.3 UBN | 12.3 UBN | 771 |
| Mercury | 0.73 | 0.0520 U | 0.0580 U | 1.60 |
| Selenium | 4 | 21.9 U | 21.9 U | 2.20 U |
| Silver | 8.3 | 4.10 U | 4.10 U | 0.440 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.56 U | 0.55 U | 0.096 J |
| Cyanide, Free | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---------------------------------------|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-52 | CGSB-52 | CGSB-52 |
| | | | CGSB-52 (34.5-35) | CGSB-XX (16-16.5) | CGSB-52 (107-108) |
| | | | 34.50 to 35.00 | 34.50 to 35.00 | 107.00 to 108.00 |
| | | | -28.45 to -28.95 | -28.45 to -28.95 | -100.95 to -1.95 |
| | | | 3/30/2005 | 3/30/2005 | 3/30/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 72 UJ | 68 UJ | 0.055 J |
| Benzene | | 0.06 | 44 J | 8.8 J | 0.0061 UJ |
| Bromodichloromethane | | -- | 29 U | 27 U | 0.0061 UJ |
| Bromoform | | -- | 29 U | 27 U | 0.0061 UJ |
| Bromomethane | | -- | 29 U | 27 U | 0.0061 UJ |
| Butanone, 2- | | 0.12 | 29 UJB | 27 U | 0.012 UJ |
| Carbon disulfide | | -- | 29 U | 27 U | 0.0061 UJ |
| Carbon tetrachloride | | 0.76 | 29 U | 27 U | 0.0061 UJ |
| Chlorobenzene | | 1.1 | 29 U | 27 U | 0.0061 UJ |
| Chloroethane | | -- | 29 U | 27 U | 0.0061 UJ |
| Chloroform | | 0.37 | 29 U | 27 U | 0.0061 UJ |
| Chloromethane | | -- | 29 U | 27 U | 0.0061 UJ |
| Dibromochloromethane | | -- | 29 U | 27 U | 0.0061 UJ |
| Dichloroethane, 1,1- | | 0.27 | 29 U | 27 U | 0.0061 UJ |
| Dichloroethane, 1,2- | | 0.02 | 29 U | 27 U | 0.0061 UJ |
| Dichloroethene, 1,1- | | 0.33 | 29 U | 27 U | 0.0061 UJ |
| Dichloroethene, cis-1,2- | | 0.25 | 29 U | 27 U | 0.0061 UJ |
| Dichloroethene, trans-1,2- | | 0.19 | 29 U | 27 U | 0.0061 UJ |
| Dichloropropane, 1,2- | | -- | 29 U | 27 U | 0.0061 UJ |
| Dichloropropene, cis-1,3- | | -- | 29 U | 27 U | 0.0061 UJ |
| Dichloropropene, trans-1,3- | | -- | 29 U | 27 U | 0.0061 UJ |
| Ethylbenzene | | 1 | 440 J | 210 J | 0.0061 UJ |
| Hexanone, 2- | | -- | 29 U | 27 U | 0.012 UJ |
| Methyl-2-pentanone, 4- | | -- | 29 U | 27 U | 0.012 UJ |
| Methylene chloride | | 0.05 | 29 UJB | 27 UJB | 0.012 UJB |
| Styrene | | -- | 8.4 J | 5.2 J | 0.0061 UJ |
| Tetrachloroethane, 1,1,2,2- | | -- | 29 U | 27 U | 0.0061 UJ |
| Tetrachloroethene | | 1.3 | 29 U | 27 U | 0.0061 UJ |
| Toluene | | 0.7 | 120 B | 40 B | 0.0061 UJ |
| Trichloroethane, 1,1,1- | | 0.68 | 29 U | 27 U | 0.0061 UJ |
| Trichloroethane, 1,1,2- | | -- | 29 U | 27 U | 0.0061 UJ |
| Trichloroethene | | 0.47 | 29 U | 27 U | 0.0061 UJ |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 29 U | 27 U | 0.0061 UJ |
| Xylenes, Total | | 1.6 | 510 J | 250 J | 0.0061 UJ |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 910 | 1,200 | 0.39 U |
| Acenaphthylene | | 100 | 320 J | 440 J | 0.39 U |
| Anthracene | | 100 | 410 J | 650 J | 0.39 U |
| Benzo(a)anthracene | | 1 | 210 J | 300 J | 0.39 U |
| Benzo(a)pyrene | | 1 | 160 J | 240 J | 0.39 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-52 | CGSB-52 | CGSB-52 |
| | | | CGSB-52 (34.5-35) | CGSB-XX (16-16.5) | CGSB-52 (107-108) |
| | | | 34.50 to 35.00 | 34.50 to 35.00 | 107.00 to 108.00 |
| | | | -28.45 to -28.95 | -28.45 to -28.95 | -100.95 to -1.95 |
| | | | 3/30/2005 | 3/30/2005 | 3/30/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 600 U | 700 U | 0.39 U |
| Benzo(g,h,i)perylene | | 100 | 77 J | 130 J | 0.39 U |
| Benzo(k)fluoranthene | | 1.7 | 88 J | 130 J | 0.39 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 600 U | 700 U | 0.39 U |
| Bis(2-chloroethoxy)methane | | -- | 600 U | 700 U | 0.39 U |
| Bis(2-chloroethyl)ether | | -- | 600 U | 700 U | 0.39 U |
| Bis(2-ethylhexyl)phthalate | | -- | 600 U | 700 U | 0.39 U |
| Bromophenyl phenyl ether, 4- | | -- | 600 U | 700 U | 0.39 U |
| Butyl benzyl phthalate | | -- | 600 U | 700 U | 0.39 U |
| Carbazole | | -- | 600 U | 700 U | 0.39 U |
| Chloro-3-methylphenol, 4- | | -- | 600 U | 700 U | 0.39 U |
| Chloroaniline, 4- | | -- | 600 U | 700 U | 0.39 U |
| Chloronaphthalene, 2- | | -- | 600 U | 700 U | 0.39 U |
| Chlorophenol, 2- | | -- | 600 U | 700 U | 0.39 U |
| Chlorophenyl phenyl ether, 4- | | -- | 600 U | 700 U | 0.39 U |
| Chrysene | | 1 | 210 J | 290 J | 0.39 U |
| Dibenzo(a,h)anthracene | | 0.33 | 600 U | 700 U | 0.39 U |
| Dibenzofuran | | 59 | 600 U | 700 U | 0.39 U |
| Dichlorobenzene, 1,2- | | 1.1 | 600 U | 700 U | 0.39 U |
| Dichlorobenzene, 1,3- | | 2.4 | 600 U | 700 U | 0.39 U |
| Dichlorobenzene, 1,4- | | 1.8 | 600 U | 700 U | 0.39 UJ |
| Dichlorobenzidine, 3,3- | | -- | 1,200 U | 1,400 U | 0.77 U |
| Dichlorophenol, 2,4- | | -- | 600 U | 700 U | 0.39 U |
| Diethyl phthalate | | -- | 600 U | 700 U | 0.39 U |
| Dimethylphenol, 2,4- | | -- | 600 U | 700 U | 0.39 U |
| Dimethyl phthalate | | -- | 600 U | 700 U | 0.39 U |
| Di-n-butyl phthalate | | -- | 600 U | 700 U | 0.39 U |
| Di-n-octyl phthalate | | -- | 600 U | 700 U | 0.39 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 2,900 U | 3,400 U | 1.9 U |
| Dinitrophenol, 2,4- | | -- | 2,900 U | 3,400 U | 1.9 U |
| Dinitrotoluene, 2,4- | | -- | 600 U | 700 U | 0.39 U |
| Dinitrotoluene, 2,6- | | -- | 600 U | 700 U | 0.39 U |
| Fluoranthene | | 100 | 390 J | 470 J | 0.39 U |
| Fluorene | | 100 | 490 J | 710 | 0.39 U |
| Hexachlorobenzene | | 1.2 | 600 U | 700 U | 0.39 U |
| Hexachlorobutadiene | | -- | 600 U | 700 U | 0.39 U |
| Hexachlorocyclopentadiene | | -- | 600 U | 700 U | 0.39 U |
| Hexachloroethane | | -- | 600 U | 700 U | 0.39 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 600 U | 84 J | 0.39 U |
| Isophorone | | -- | 600 U | 700 U | 0.39 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|---|---|--|------------------------|-------------------|-------------------|
| | | | CGSB-52 | CGSB-52 | CGSB-52 |
| | | | CGSB-52 (34.5-35) | CGSB-XX (16-16.5) | CGSB-52 (107-108) |
| | | | 34.50 to 35.00 | 34.50 to 35.00 | 107.00 to 108.00 |
| | | | -28.45 to -28.95 | -28.45 to -28.95 | -100.95 to -1.95 |
| | | | 3/30/2005 | 3/30/2005 | 3/30/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Methylnaphthalene, 2- | -- | -- | 2,000 | 3,000 | 0.39 U |
| Methylphenol, 2- | 0.33 | 0.33 | 600 U | 700 U | 0.39 U |
| Methylphenol, 4- | 0.33 | 0.33 | 600 U | 700 U | 0.39 U |
| Naphthalene | 12 | 12 | 3,300 J | 5,600 J | 0.39 U |
| Nitroaniline, 2- | -- | -- | 2,900 U | 3,400 U | 1.9 U |
| Nitroaniline, 3- | -- | -- | 2,900 U | 3,400 U | 1.9 U |
| Nitroaniline, 4- | -- | -- | 1,200 U | 1,400 U | 0.77 U |
| Nitrobenzene | -- | -- | 600 U | 700 U | 0.39 U |
| Nitrophenol, 2- | -- | -- | 600 U | 700 U | 0.39 U |
| Nitrophenol, 4- | -- | -- | 2,900 U | 3,400 U | 1.9 U |
| N-Nitrosodi-n-propylamine | -- | -- | 600 U | 700 U | 0.39 U |
| N-Nitrosodiphenylamine | -- | -- | 600 U | 700 U | 0.39 U |
| Oxybis(1-chloropropane), 2,2'- | -- | -- | 600 U | 700 U | 0.39 U |
| Pentachlorophenol | 0.8 | 0.8 | 2,900 U | 3,400 U | 1.9 U |
| Phenanthrene | 100 | 100 | 1,500 | 2,200 | 0.066 J |
| Phenol | 0.33 | 0.33 | 600 U | 700 U | 0.39 U |
| Pyrene | 100 | 100 | 520 J | 900 | 0.39 U |
| Trichlorobenzene, 1,2,4- | -- | -- | 600 U | 700 U | 0.39 U |
| Trichlorophenol, 2,4,5- | -- | -- | 2,900 U | 3,400 U | 1.9 U |
| Trichlorophenol, 2,4,6- | -- | -- | 600 U | 700 U | 0.39 U |
| Polychlorinated Biphenyls | | | | | |
| Aroclor 1016 | 1 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | 1 | NA | NA | NA |
| Pesticides | | | | | |
| Aldrin | 0.097 | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Remedial Investigation | | |
|--------------------------------|-----------------------------|--|------------------------|-------------------|-------------------|
| | Location ID: | | CGSB-52 | CGSB-52 | CGSB-52 |
| | Sample ID: | | CGSB-52 (34.5-35) | CGSB-XX (16-16.5) | CGSB-52 (107-108) |
| | Sample Interval (feet bgs): | | 34.50 to 35.00 | 34.50 to 35.00 | 107.00 to 108.00 |
| Sample Interval (feet NAVD88): | Sample Date: | -28.45 to -28.95 | -28.45 to -28.95 | -100.95 to -1.95 | |
| Sample Date: | | 3/30/2005 | 3/30/2005 | 3/30/2005 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 1.50 UJ | 1.60 J | 2.70 J |
| Barium | | 400 | 20.2 J | 25.3 J | 37.8 J |
| Cadmium | | 4.3 | 1.20 U | 1.10 U | 1.30 U |
| Chromium | | 19 | 15.5 | 20.6 | 11.8 |
| Lead | | 400 | 2.40 J | 2.60 B | 9.10 B |
| Mercury | | 0.73 | 0.0380 U | 0.0350 U | 0.0450 U |
| Selenium | | 4 | 2.00 U | 1.80 U | 2.10 U |
| Silver | | 8.3 | 0.390 U | 0.360 U | 0.430 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.57 U | 0.54 U | 0.59 U |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|---|--|
| | | CGSB-53 CGSB-53 (23-25) 23.00 to 25.00 1.44 to -0.56 6/7/2006 | CGSB-53 CGSB-XX(0-2)_06_07_2006 23.00 to 25.00 1.44 to -0.56 6/7/2006 | CGSB-53 CGSB-53 (32-34) 32.00 to 34.00 -7.56 to -9.56 6/7/2006 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.024 UJB | 0.025 UJB | 0.028 UJB |
| Benzene | 0.06 | 0.0061 U | 0.0063 U | 0.0060 J |
| Bromodichloromethane | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Bromoform | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Bromomethane | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Butanone, 2- | 0.12 | 0.012 U | 0.013 U | 0.014 U |
| Carbon disulfide | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Carbon tetrachloride | 0.76 | 0.0061 U | 0.0063 U | 0.0071 U |
| Chlorobenzene | 1.1 | 0.0061 U | 0.0063 U | 0.0071 U |
| Chloroethane | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Chloroform | 0.37 | 0.0061 U | 0.0063 U | 0.0071 U |
| Chloromethane | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Dibromochloromethane | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloroethane, 1,1- | 0.27 | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloroethane, 1,2- | 0.02 | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloroethene, 1,1- | 0.33 | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloroethene, cis-1,2- | 0.25 | 0.0061 U | 0.0063 U | 0.013 |
| Dichloroethene, trans-1,2- | 0.19 | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloropropane, 1,2- | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloropropene, cis-1,3- | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Dichloropropene, trans-1,3- | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Ethylbenzene | 1 | 0.0061 U | 0.0063 U | 0.0071 U |
| Hexanone, 2- | -- | 0.012 U | 0.013 U | 0.014 U |
| Methyl-2-pentanone, 4- | -- | 0.012 U | 0.013 U | 0.014 U |
| Methylene chloride | 0.05 | 0.024 UJB | 0.025 UJB | 0.028 UJB |
| Styrene | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Tetrachloroethene | 1.3 | 0.0061 U | 0.0063 U | 0.0071 U |
| Toluene | 0.7 | 0.0061 U | 0.0063 U | 0.0071 U |
| Trichloroethane, 1,1,1- | 0.68 | 0.0061 U | 0.0063 U | 0.0071 U |
| Trichloroethane, 1,1,2- | -- | 0.0061 U | 0.0063 U | 0.0071 U |
| Trichloroethene | 0.47 | 0.0061 U | 0.0063 U | 0.0071 U |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0061 U | 0.0063 U | 0.0071 U |
| Xylenes, Total | 1.6 | 0.0061 U | 0.0063 U | 0.0071 U |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.39 U | 0.40 U | 0.45 U |
| Acenaphthylene | 100 | 0.39 U | 0.40 U | 0.45 U |
| Anthracene | 100 | 0.39 U | 0.40 U | 0.45 U |
| Benzo(a)anthracene | 1 | 0.39 U | 0.40 U | 0.45 U |
| Benzo(a)pyrene | 1 | 0.39 U | 0.40 U | 0.45 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|-------------------------------------|-------------------------|-----------------|
| | | CGSB-53 | CGSB-53 | CGSB-53 |
| | | CGSB-53 (23-25) | CGSB-XX(0-2)_06_07_2006 | CGSB-53 (32-34) |
| | | 23.00 to 25.00 | 23.00 to 25.00 | 32.00 to 34.00 |
| Sample Date: | | 1.44 to -0.56 | 1.44 to -0.56 | -7.56 to -9.56 |
| | | 6/7/2006 | 6/7/2006 | 6/7/2006 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.39 U | 0.40 U | 0.45 U |
| Benzo(g,h,i)perylene | 100 | 0.39 UJ | 0.40 UJ | 0.45 UJ |
| Benzo(k)fluoranthene | 1.7 | 0.39 U | 0.40 U | 0.45 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 0.39 U | 0.40 U | 0.45 U |
| Bis(2-chloroethoxy)methane | -- | 0.39 U | 0.40 U | 0.45 U |
| Bis(2-chloroethyl)ether | -- | 0.39 U | 0.40 U | 0.45 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.16 J | 0.10 J | 0.50 |
| Bromophenyl phenyl ether, 4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Butyl benzyl phthalate | -- | 0.39 U | 0.40 U | 0.45 U |
| Carbazole | -- | 0.39 U | 0.40 U | 0.45 U |
| Chloro-3-methylphenol, 4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Chloroaniline, 4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Chloronaphthalene, 2- | -- | 0.39 U | 0.40 U | 0.45 U |
| Chlorophenol, 2- | -- | 0.39 U | 0.40 U | 0.45 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Chrysene | 1 | 0.39 U | 0.40 U | 0.45 U |
| Dibenzo(a,h)anthracene | 0.33 | 0.39 UJ | 0.40 UJ | 0.45 UJ |
| Dibenzofuran | 59 | 0.39 U | 0.40 U | 0.45 U |
| Dichlorobenzene, 1,2- | 1.1 | 0.39 U | 0.40 U | 0.45 U |
| Dichlorobenzene, 1,3- | 2.4 | 0.39 U | 0.40 U | 0.45 U |
| Dichlorobenzene, 1,4- | 1.8 | 0.39 U | 0.40 U | 0.45 U |
| Dichlorobenzidine, 3,3- | -- | 0.78 U | 0.80 U | 0.91 U |
| Dichlorophenol, 2,4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Diethyl phthalate | -- | 0.39 U | 0.40 U | 0.45 U |
| Dimethylphenol, 2,4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Dimethyl phthalate | -- | 0.39 U | 0.40 U | 0.45 U |
| Di-n-butyl phthalate | -- | 0.39 U | 0.40 U | 0.45 U |
| Di-n-octyl phthalate | -- | 0.39 U | 0.40 U | 0.45 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.9 U | 1.9 U | 2.2 U |
| Dinitrophenol, 2,4- | -- | 1.9 U | 1.9 U | 2.2 U |
| Dinitrotoluene, 2,4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Dinitrotoluene, 2,6- | -- | 0.39 U | 0.40 U | 0.45 U |
| Fluoranthene | 100 | 0.39 U | 0.40 U | 0.45 U |
| Fluorene | 100 | 0.39 U | 0.40 U | 0.45 U |
| Hexachlorobenzene | 1.2 | 0.39 U | 0.40 U | 0.45 U |
| Hexachlorobutadiene | -- | 0.39 U | 0.40 U | 0.45 U |
| Hexachlorocyclopentadiene | -- | 0.39 U | 0.40 U | 0.45 U |
| Hexachloroethane | -- | 0.39 U | 0.40 U | 0.45 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.39 UJ | 0.40 UJ | 0.45 UJ |
| Isophorone | -- | 0.39 U | 0.40 U | 0.45 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|-------------------------------------|-------------------------|-----------------|
| | | CGSB-53 | CGSB-53 | CGSB-53 |
| | | CGSB-53 (23-25) | CGSB-XX(0-2)_06_07_2006 | CGSB-53 (32-34) |
| | | 23.00 to 25.00 | 23.00 to 25.00 | 32.00 to 34.00 |
| Sample Date: | | 1.44 to -0.56 | 1.44 to -0.56 | -7.56 to -9.56 |
| | | 6/7/2006 | 6/7/2006 | 6/7/2006 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.39 U | 0.40 U | 0.45 U |
| Methylphenol, 2- | 0.33 | 0.39 U | 0.40 U | 0.45 U |
| Methylphenol, 4- | 0.33 | 0.39 U | 0.40 U | 0.45 U |
| Naphthalene | 12 | 0.39 U | 0.40 U | 0.45 U |
| Nitroaniline, 2- | -- | 1.9 U | 1.9 U | 2.2 U |
| Nitroaniline, 3- | -- | 1.9 U | 1.9 U | 2.2 U |
| Nitroaniline, 4- | -- | 0.78 U | 0.80 U | 0.91 U |
| Nitrobenzene | -- | 0.39 U | 0.40 U | 0.45 U |
| Nitrophenol, 2- | -- | 0.39 U | 0.40 U | 0.45 U |
| Nitrophenol, 4- | -- | 1.9 U | 1.9 U | 2.2 U |
| N-Nitrosodi-n-propylamine | -- | 0.39 U | 0.40 U | 0.45 U |
| N-Nitrosodiphenylamine | -- | 0.39 U | 0.40 U | 0.45 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.39 U | 0.40 U | 0.45 U |
| Pentachlorophenol | 0.8 | 1.9 U | 1.9 U | 2.2 U |
| Phenanthrene | 100 | 0.39 U | 0.40 U | 0.45 U |
| Phenol | 0.33 | 0.39 U | 0.40 U | 0.45 U |
| Pyrene | 100 | 0.39 U | 0.40 U | 0.45 U |
| Trichlorobenzene, 1,2,4- | -- | 0.39 U | 0.40 U | 0.45 U |
| Trichlorophenol, 2,4,5- | -- | 1.9 U | 1.9 U | 2.2 U |
| Trichlorophenol, 2,4,6- | -- | 0.39 U | 0.40 U | 0.45 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|---|--|
| | | CGSB-53 CGSB-53 (23-25) 23.00 to 25.00 1.44 to -0.56 6/7/2006 | CGSB-53 CGSB-XX(0-2)_06_07_2006 23.00 to 25.00 1.44 to -0.56 6/7/2006 | CGSB-53 CGSB-53 (32-34) 32.00 to 34.00 -7.56 to -9.56 6/7/2006 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 3.80 J | 3.90 B | 1.70 J |
| Barium | 400 | 18.4 J | 17.6 J | 12.7 J |
| Cadmium | 4.3 | 4.10 U | 3.00 U | 4.00 U |
| Chromium | 19 | 8.30 J | 7.80 J | 11.7 J |
| Lead | 400 | 3.30 J | 3.60 J | 4.70 J |
| Mercury | 0.73 | 0.0530 U | 0.0540 U | 0.0510 U |
| Selenium | 4 | 22.1 UJ | 15.8 UJ | 21.6 UJ |
| Silver | 8.3 | 4.10 U | 3.00 U | 4.00 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.61 U | 0.63 U | 0.71 U |
| Cyanide, Free | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|---|--|-------------------------------------|------------------|------------------|
| | | | CGSB-54 | CGSB-55 | CGSB-55 |
| | | | CGSB-54 (27-29) | CGSB-55 (25-26) | CGSB-XX (22-24) |
| | | | 27.00 to 29.00 | 25.00 to 26.00 | 25.00 to 26.00 |
| | | | 6.33 to 4.33 | 18.09 to 17.09 | 18.09 to 17.09 |
| | | | 10/14/2010 | 7/1/2010 | 7/1/2010 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.023 U | 0.025 UJB | 0.024 UJB |
| Benzene | | 0.06 | 0.0057 U | 0.0063 U | 0.0061 U |
| Bromodichloromethane | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Bromoform | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Bromomethane | | -- | 0.0057 U | 0.0063 UJ | 0.0061 UJ |
| Butanone, 2- | | 0.12 | 0.011 U | 0.013 U | 0.012 U |
| Carbon disulfide | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Carbon tetrachloride | | 0.76 | 0.0057 U | 0.0063 U | 0.0061 U |
| Chlorobenzene | | 1.1 | 0.0057 U | 0.0063 U | 0.0061 U |
| Chloroethane | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Chloroform | | 0.37 | 0.0057 U | 0.0035 J | 0.0032 J |
| Chloromethane | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Dibromochloromethane | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloropropane, 1,2- | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloropropene, cis-1,3- | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Dichloropropene, trans-1,3- | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Ethylbenzene | | 1 | 0.0057 U | 0.0063 U | 0.0061 U |
| Hexanone, 2- | | -- | 0.011 U | 0.013 U | 0.012 U |
| Methyl-2-pentanone, 4- | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Methylene chloride | | 0.05 | 0.023 UJB | 0.025 UJB | 0.024 UJB |
| Styrene | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Tetrachloroethene | | 1.3 | 0.0057 U | 0.0063 U | 0.0061 U |
| Toluene | | 0.7 | 0.0057 U | 0.00045 J | 0.00021 J |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0057 U | 0.0063 U | 0.0061 U |
| Trichloroethane, 1,1,2- | | -- | 0.0057 U | 0.0063 U | 0.0061 U |
| Trichloroethene | | 0.47 | 0.0057 U | 0.0063 U | 0.0061 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0057 U | 0.0063 U | 0.0061 U |
| Xylenes, Total | | 1.6 | 0.0057 U | 0.0063 U | 0.0061 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.31 U | 0.34 U | 0.32 U |
| Acenaphthylene | | 100 | 0.31 U | 0.34 U | 0.32 U |
| Anthracene | | 100 | 0.31 U | 0.014 J | 0.32 U |
| Benzo(a)anthracene | | 1 | 0.019 J | 0.013 J | 0.32 U |
| Benzo(a)pyrene | | 1 | 0.0096 J | 0.34 U | 0.32 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|-----------------|-----------------|
| | | | CGSB-54 | CGSB-55 | CGSB-55 |
| | | | CGSB-54 (27-29) | CGSB-55 (25-26) | CGSB-XX (22-24) |
| | | | 27.00 to 29.00 | 25.00 to 26.00 | 25.00 to 26.00 |
| | | | 6.33 to 4.33 | 18.09 to 17.09 | 18.09 to 17.09 |
| | | | 10/14/2010 | 7/1/2010 | 7/1/2010 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.016 J | 0.34 U | 0.32 U |
| Benzo(g,h,i)perylene | | 100 | 0.31 U | 0.34 UJ | 0.32 UJ |
| Benzo(k)fluoranthene | | 1.7 | 0.31 U | 0.34 U | 0.32 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.31 U | 0.34 U | 0.32 U |
| Bis(2-chloroethoxy)methane | | -- | 0.31 U | 0.34 U | 0.32 U |
| Bis(2-chloroethyl)ether | | -- | 0.31 U | 0.34 U | 0.32 U |
| Bis(2-ethylhexyl)phthalate | | -- | 4.7 | 0.033 J | 0.044 J |
| Bromophenyl phenyl ether, 4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Butyl benzyl phthalate | | -- | 0.31 U | 0.34 U | 0.32 U |
| Carbazole | | -- | 0.31 U | 0.34 U | 0.32 U |
| Chloro-3-methylphenol, 4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Chloroaniline, 4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Chloronaphthalene, 2- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Chlorophenol, 2- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Chrysene | | 1 | 0.31 U | 0.34 U | 0.32 U |
| Dibenzo(a,h)anthracene | | 0.33 | 0.31 U | 0.34 UJ | 0.32 UJ |
| Dibenzofuran | | 59 | 0.31 U | 0.34 U | 0.32 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.31 U | 0.34 U | 0.32 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.31 U | 0.34 U | 0.32 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.31 U | 0.34 U | 0.32 U |
| Dichlorobenzidine, 3,3- | | -- | 0.37 U | 0.41 U | 0.39 U |
| Dichlorophenol, 2,4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Diethyl phthalate | | -- | 0.31 U | 0.34 U | 0.32 U |
| Dimethylphenol, 2,4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Dimethyl phthalate | | -- | 0.31 U | 0.34 U | 0.32 U |
| Di-n-butyl phthalate | | -- | 0.069 J | 0.34 U | 0.32 U |
| Di-n-octyl phthalate | | -- | 0.31 U | 0.34 U | 0.32 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1.9 U | 2.1 U | 2.0 U |
| Dinitrophenol, 2,4- | | -- | 1.9 U | 2.1 U | 2.0 U |
| Dinitrotoluene, 2,4- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Dinitrotoluene, 2,6- | | -- | 0.31 U | 0.34 U | 0.32 U |
| Fluoranthene | | 100 | 0.065 J | 0.34 U | 0.32 U |
| Fluorene | | 100 | 0.31 U | 0.34 U | 0.32 U |
| Hexachlorobenzene | | 1.2 | 0.31 U | 0.34 U | 0.32 U |
| Hexachlorobutadiene | | -- | 0.31 U | 0.34 U | 0.32 U |
| Hexachlorocyclopentadiene | | -- | 0.76 U | 0.83 U | 0.79 U |
| Hexachloroethane | | -- | 0.31 U | 0.34 U | 0.32 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.31 U | 0.34 UJ | 0.32 UJ |
| Isophorone | | -- | 0.31 U | 0.34 U | 0.32 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-54 CGSB-54 (27-29) 27.00 to 29.00 6.33 to 4.33 10/14/2010 | CGSB-55 CGSB-55 (25-26) 25.00 to 26.00 18.09 to 17.09 7/1/2010 | CGSB-55 CGSB-XX (22-24) 25.00 to 26.00 18.09 to 17.09 7/1/2010 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.31 U | 0.014 J | 0.32 U |
| Methylphenol, 2- | 0.33 | 0.31 U | 0.34 U | 0.32 U |
| Methylphenol, 4- | 0.33 | 0.31 U | 0.34 U | 0.32 U |
| Naphthalene | 12 | 0.31 U | 0.34 U | 0.32 U |
| Nitroaniline, 2- | -- | 0.76 U | 0.83 U | 0.79 U |
| Nitroaniline, 3- | -- | 0.76 U | 0.83 U | 0.79 U |
| Nitroaniline, 4- | -- | 0.31 U | 0.34 U | 0.32 U |
| Nitrobenzene | -- | 0.31 U | 0.34 U | 0.32 U |
| Nitrophenol, 2- | -- | 0.31 U | 0.34 U | 0.32 U |
| Nitrophenol, 4- | -- | 1.9 U | 2.1 U | 2.0 U |
| N-Nitrosodi-n-propylamine | -- | 0.31 U | 0.34 U | 0.32 U |
| N-Nitrosodiphenylamine | -- | 0.31 U | 0.34 U | 0.32 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.31 U | 0.34 U | 0.32 U |
| Pentachlorophenol | 0.8 | 0.76 U | 0.83 U | 0.79 U |
| Phenanthrene | 100 | 0.091 J | 0.051 J | 0.32 U |
| Phenol | 0.33 | 0.31 U | 0.34 U | 0.32 U |
| Pyrene | 100 | 0.094 J | 0.026 J | 0.32 U |
| Trichlorobenzene, 1,2,4- | -- | 0.31 U | 0.34 U | 0.32 U |
| Trichlorophenol, 2,4,5- | -- | 1.9 U | 2.1 U | 2.0 U |
| Trichlorophenol, 2,4,6- | -- | 0.31 U | 0.34 U | 0.32 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--------------------------------|-----------------------------|--|-------------------------------------|-----------------|-----------------|
| | Location ID: | | CGSB-54 | CGSB-55 | CGSB-55 |
| | Sample ID: | | CGSB-54 (27-29) | CGSB-55 (25-26) | CGSB-XX (22-24) |
| | Sample Interval (feet bgs): | | 27.00 to 29.00 | 25.00 to 26.00 | 25.00 to 26.00 |
| Sample Interval (feet NAVD88): | | 6.33 to 4.33 | 18.09 to 17.09 | 18.09 to 17.09 | |
| Sample Date: | | 10/14/2010 | 7/1/2010 | 7/1/2010 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 2.00 J | 6.60 UJ | 6.20 UJ |
| Barium | | 400 | 24.5 | 102 | 84.2 |
| Cadmium | | 4.3 | 1.40 U | 1.60 U | 1.50 U |
| Chromium | | 19 | 23.0 | 25.7 | 19.1 |
| Lead | | 400 | 2.40 J | 7.50 | 6.10 |
| Mercury | | 0.73 | 0.0530 U | 0.0600 U | 0.0550 U |
| Selenium | | 4 | 10.6 U | 11.7 U | 11.0 U |
| Silver | | 8.3 | 1.40 U | 0.180 J | 0.0880 J |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.57 U | R | R |
| Cyanide, Free | | -- | 0.23 U | 0.25 U | 0.24 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-56 CGSB-56 (30-31) 30.00 to 31.00 -8.81 to -9.81 6/5/2006 | CGSB-57 CGSB-57 (5-8) 5.00 to 8.00 7.55 to 4.55 6/21/2006 | CGSB-57 CGSB-XX(0-2)_06_21_2006 5.00 to 8.00 7.55 to 4.55 6/21/2006 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.023 UJ | 0.023 UJB | 0.023 UJB |
| Benzene | 0.06 | 0.0056 U | 0.0056 U | 0.0034 J |
| Bromodichloromethane | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Bromoform | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Bromomethane | -- | 0.0056 U | 0.0056 U | 0.0058 UJ |
| Butanone, 2- | 0.12 | 0.011 U | 0.011 U | 0.012 U |
| Carbon disulfide | -- | 0.0056 U | 0.0011 J | 0.00081 J |
| Carbon tetrachloride | 0.76 | 0.0056 U | 0.0056 U | 0.0058 U |
| Chlorobenzene | 1.1 | 0.0056 U | 0.0056 U | 0.0058 U |
| Chloroethane | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Chloroform | 0.37 | 0.0056 U | 0.0056 U | 0.0058 U |
| Chloromethane | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Dibromochloromethane | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloroethane, 1,1- | 0.27 | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloroethane, 1,2- | 0.02 | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloroethene, 1,1- | 0.33 | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloroethene, cis-1,2- | 0.25 | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloroethene, trans-1,2- | 0.19 | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloropropane, 1,2- | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloropropene, cis-1,3- | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Dichloropropene, trans-1,3- | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Ethylbenzene | 1 | 0.0056 U | 0.0056 U | 0.0058 U |
| Hexanone, 2- | -- | 0.011 U | 0.011 U | 0.012 U |
| Methyl-2-pentanone, 4- | -- | 0.011 U | 0.011 U | 0.012 U |
| Methylene chloride | 0.05 | 0.023 UJB | 0.023 UJB | 0.023 UJB |
| Styrene | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Tetrachloroethene | 1.3 | 0.0056 U | 0.0056 U | 0.0058 U |
| Toluene | 0.7 | 0.0056 U | 0.0056 U | 0.0058 U |
| Trichloroethane, 1,1,1- | 0.68 | 0.0056 U | 0.0056 U | 0.0058 U |
| Trichloroethane, 1,1,2- | -- | 0.0056 U | 0.0056 U | 0.0058 U |
| Trichloroethene | 0.47 | 0.0056 U | 0.0056 U | 0.0058 U |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0056 U | 0.0056 UJ | 0.0058 U |
| Xylenes, Total | 1.6 | 0.0056 U | 0.0056 U | 0.0058 U |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.36 U | 0.067 J | 0.36 U |
| Acenaphthylene | 100 | 0.36 U | 0.046 J | 0.36 U |
| Anthracene | 100 | 0.36 U | 0.18 J | 0.077 J |
| Benzo(a)anthracene | 1 | 0.36 U | 0.51 | 0.22 J |
| Benzo(a)pyrene | 1 | 0.36 U | 0.48 | 0.27 J |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|-------------------------------------|----------------|-------------------------|
| | | CGSB-56 | CGSB-57 | CGSB-57 |
| | | CGSB-56 (30-31) | CGSB-57 (5-8) | CGSB-XX(0-2)_06_21_2006 |
| | | 30.00 to 31.00 | 5.00 to 8.00 | 5.00 to 8.00 |
| Sample Date: | | -8.81 to -9.81 | 7.55 to 4.55 | 7.55 to 4.55 |
| | | 6/5/2006 | 6/21/2006 | 6/21/2006 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.36 U | 0.56 | 0.16 J |
| Benzo(g,h,i)perylene | 100 | 0.36 U | 0.50 | 0.29 J |
| Benzo(k)fluoranthene | 1.7 | 0.36 U | 0.20 J | 0.18 J |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 0.36 U | 0.36 UJ | 0.36 U |
| Bis(2-chloroethoxy)methane | -- | 0.36 U | 0.36 U | 0.36 U |
| Bis(2-chloroethyl)ether | -- | 0.36 U | 0.36 U | 0.36 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.95 J | 0.36 U | 0.36 U |
| Bromophenyl phenyl ether, 4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Butyl benzyl phthalate | -- | 0.36 U | 0.36 U | 0.36 U |
| Carbazole | -- | 0.36 U | 0.36 U | 0.36 U |
| Chloro-3-methylphenol, 4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Chloroaniline, 4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Chloronaphthalene, 2- | -- | 0.36 U | 0.36 U | 0.36 U |
| Chlorophenol, 2- | -- | 0.36 U | 0.36 U | 0.36 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Chrysene | 1 | 0.36 U | 0.54 | 0.30 J |
| Dibenzo(a,h)anthracene | 0.33 | 0.36 U | 0.13 J | 0.36 U |
| Dibenzofuran | 59 | 0.36 U | 0.36 U | 0.36 U |
| Dichlorobenzene, 1,2- | 1.1 | 0.36 U | 0.36 U | 0.36 U |
| Dichlorobenzene, 1,3- | 2.4 | 0.36 U | 0.36 U | 0.36 U |
| Dichlorobenzene, 1,4- | 1.8 | 0.36 U | 0.36 U | 0.36 U |
| Dichlorobenzidine, 3,3- | -- | 0.73 U | 0.72 U | 0.72 U |
| Dichlorophenol, 2,4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Diethyl phthalate | -- | 0.36 U | 0.36 U | 0.36 UJB |
| Dimethylphenol, 2,4- | -- | 0.36 U | 0.36 U | 0.36 UJ |
| Dimethyl phthalate | -- | 0.36 U | 0.36 U | 0.36 U |
| Di-n-butyl phthalate | -- | 0.36 U | 0.36 U | 0.36 U |
| Di-n-octyl phthalate | -- | 0.36 U | 0.36 U | 0.36 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.8 U | 1.8 U | 1.7 U |
| Dinitrophenol, 2,4- | -- | 1.8 U | 1.8 U | 1.7 U |
| Dinitrotoluene, 2,4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Dinitrotoluene, 2,6- | -- | 0.36 U | 0.36 U | 0.36 U |
| Fluoranthene | 100 | 0.36 U | 0.94 | 0.34 J |
| Fluorene | 100 | 0.36 U | 0.061 J | 0.36 U |
| Hexachlorobenzene | 1.2 | 0.36 U | 0.36 U | 0.36 U |
| Hexachlorobutadiene | -- | 0.36 U | 0.36 U | 0.36 U |
| Hexachlorocyclopentadiene | -- | 0.36 U | 0.36 U | 0.36 U |
| Hexachloroethane | -- | 0.36 U | 0.36 U | 0.36 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.36 U | 0.42 | 0.21 J |
| Isophorone | -- | 0.36 U | 0.36 U | 0.36 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-56 | CGSB-57 | CGSB-57 |
| | | CGSB-56 (30-31) | CGSB-57 (5-8) | CGSB-XX(0-2)_06_21_2006 |
| | | 30.00 to 31.00 -8.81 to -9.81 6/5/2006 | 5.00 to 8.00 7.55 to 4.55 6/21/2006 | 5.00 to 8.00 7.55 to 4.55 6/21/2006 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.36 U | 0.10 J | 0.36 U |
| Methylphenol, 2- | 0.33 | 0.36 U | 0.36 U | 0.36 U |
| Methylphenol, 4- | 0.33 | 0.36 U | 0.36 U | 0.36 U |
| Naphthalene | 12 | 0.36 U | 0.19 J | 0.097 J |
| Nitroaniline, 2- | -- | 1.8 U | 1.8 U | 1.7 U |
| Nitroaniline, 3- | -- | 1.8 U | 1.8 U | 1.7 U |
| Nitroaniline, 4- | -- | 0.73 U | 0.72 U | 0.72 U |
| Nitrobenzene | -- | 0.36 U | 0.36 U | 0.36 U |
| Nitrophenol, 2- | -- | 0.36 U | 0.36 U | 0.36 U |
| Nitrophenol, 4- | -- | 1.8 U | 1.8 U | 1.7 U |
| N-Nitrosodi-n-propylamine | -- | 0.36 U | 0.36 U | 0.36 U |
| N-Nitrosodiphenylamine | -- | 0.36 U | 0.36 U | 0.36 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.36 U | 0.36 U | 0.36 U |
| Pentachlorophenol | 0.8 | 1.8 U | 1.8 U | 1.7 U |
| Phenanthrene | 100 | 0.36 U | 0.52 | 0.19 J |
| Phenol | 0.33 | 0.36 U | 0.36 U | 0.36 U |
| Pyrene | 100 | 0.36 U | 0.95 | 0.48 |
| Trichlorobenzene, 1,2,4- | -- | 0.36 U | 0.36 U | 0.36 U |
| Trichlorophenol, 2,4,5- | -- | 1.8 U | 1.8 U | 1.7 U |
| Trichlorophenol, 2,4,6- | -- | 0.36 U | 0.36 U | 0.36 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-56 CGSB-56 (30-31) 30.00 to 31.00 -8.81 to -9.81 6/5/2006 | CGSB-57 CGSB-57 (5-8) 5.00 to 8.00 7.55 to 4.55 6/21/2006 | CGSB-57 CGSB-XX(0-2)_06_21_2006 5.00 to 8.00 7.55 to 4.55 6/21/2006 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 3.10 J | 2.90 B | 3.20 J |
| Barium | 400 | 37.7 | 59.6 J | 54.0 J |
| Cadmium | 4.3 | 2.80 U | 2.80 U | 3.30 U |
| Chromium | 19 | 11.4 J | 13.2 | 20.2 |
| Lead | 400 | 5.60 J | 18.0 J | 28.8 J |
| Mercury | 0.73 | 0.0440 U | 0.210 J | 0.0700 J |
| Selenium | 4 | 14.7 UJ | 14.8 UJ | 17.8 UJ |
| Silver | 8.3 | 2.80 U | 2.80 U | 3.30 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.57 U | 0.57 UJ | 0.58 UJ |
| Cyanide, Free | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|--|--|
| | | CGSB-57 CGSB-57 (25-28) 25.00 to 28.00 -12.45 to -15.45 6/21/2006 | CGSB-58 CGSB58 (34.5-36) 34.50 to 36.00 -27.19 to -28.69 5/20/2006 | CGSB-58 CGSBXX(0-5)_05_20_2006 34.50 to 36.00 -27.19 to -28.69 5/20/2006 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.024 UJB | 1.5 UJB | 1.6 UJB |
| Benzene | 0.06 | 0.0016 J | 0.13 J | 0.12 J |
| Bromodichloromethane | -- | 0.0059 U | 0.61 U | 0.63 U |
| Bromoform | -- | 0.0059 U | 0.61 U | 0.63 U |
| Bromomethane | -- | 0.0059 U | 0.61 UJ | 0.63 UJ |
| Butanone, 2- | 0.12 | 0.012 U | 0.61 U | 0.63 U |
| Carbon disulfide | -- | 0.0049 J | 0.61 U | 0.63 U |
| Carbon tetrachloride | 0.76 | 0.0059 U | 0.61 U | 0.63 U |
| Chlorobenzene | 1.1 | 0.0059 U | 0.61 U | 0.63 U |
| Chloroethane | -- | 0.0059 U | 0.61 U | 0.63 U |
| Chloroform | 0.37 | 0.0059 U | 0.61 U | 0.63 U |
| Chloromethane | -- | 0.0059 U | 0.61 U | 0.63 U |
| Dibromochloromethane | -- | 0.0059 U | 0.61 U | 0.63 U |
| Dichloroethane, 1,1- | 0.27 | 0.0059 U | 0.61 U | 0.63 U |
| Dichloroethane, 1,2- | 0.02 | 0.0059 U | 0.61 U | 0.63 U |
| Dichloroethene, 1,1- | 0.33 | 0.0059 U | 0.61 U | 0.63 U |
| Dichloroethene, cis-1,2- | 0.25 | 0.0059 U | 0.61 U | 0.63 U |
| Dichloroethene, trans-1,2- | 0.19 | 0.0059 U | 0.61 U | 0.63 U |
| Dichloropropane, 1,2- | -- | 0.0059 U | 0.61 U | 0.63 U |
| Dichloropropene, cis-1,3- | -- | 0.0059 U | 0.61 U | 0.63 U |
| Dichloropropene, trans-1,3- | -- | 0.0059 U | 0.61 U | 0.63 U |
| Ethylbenzene | 1 | 0.0059 U | 6.2 | 4.0 |
| Hexanone, 2- | -- | 0.012 U | 0.61 U | 0.63 U |
| Methyl-2-pentanone, 4- | -- | 0.012 U | 0.61 U | 0.63 U |
| Methylene chloride | 0.05 | 0.024 UJB | 0.61 UJB | 0.63 UJB |
| Styrene | -- | 0.0059 U | 0.61 U | 0.63 U |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0059 U | 0.61 U | 0.63 U |
| Tetrachloroethene | 1.3 | 0.0059 U | 0.61 U | 0.63 U |
| Toluene | 0.7 | 0.0059 U | 0.21 J | 0.20 J |
| Trichloroethane, 1,1,1- | 0.68 | 0.0059 U | 0.61 U | 0.63 U |
| Trichloroethane, 1,1,2- | -- | 0.0059 U | 0.61 U | 0.63 U |
| Trichloroethene | 0.47 | 0.0059 U | 0.61 U | 0.63 U |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0059 UJ | 0.61 U | 0.63 U |
| Xylenes, Total | 1.6 | 0.0059 U | 5.8 | 4.1 |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.38 U | 20 J | 9.7 J |
| Acenaphthylene | 100 | 0.38 U | 2.3 J | 1.0 J |
| Anthracene | 100 | 0.38 U | 9.4 J | 4.7 J |
| Benzo(a)anthracene | 1 | 0.38 U | 5.9 H | 2.6 H |
| Benzo(a)pyrene | 1 | 0.38 U | 3.5 J | 1.5 J |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|-------------------------------------|------------------|------------------------|
| | | CGSB-57 | CGSB-58 | CGSB-58 |
| | | CGSB-57 (25-28) | CGSB58 (34.5-36) | CGSBXX(0-5)_05_20_2006 |
| | | 25.00 to 28.00 | 34.50 to 36.00 | 34.50 to 36.00 |
| Sample Date: | | -12.45 to -15.45 | -27.19 to -28.69 | -27.19 to -28.69 |
| | | 6/21/2006 | 5/20/2006 | 5/20/2006 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.38 U | 3.5 J | 1.7 J |
| Benzo(g,h,i)perylene | 100 | 0.38 U | 2.4 J | 1.1 J |
| Benzo(k)fluoranthene | 1.7 | 0.38 U | 3.9 UJ | 2.1 UJ |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 0.38 U | 3.9 U | 2.1 U |
| Bis(2-chloroethoxy)methane | -- | 0.38 U | 3.9 U | 2.1 U |
| Bis(2-chloroethyl)ether | -- | 0.38 U | 3.9 U | 2.1 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.38 UJ | 3.9 U | 2.1 U |
| Bromophenyl phenyl ether, 4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Butyl benzyl phthalate | -- | 0.38 U | 3.9 U | 2.1 U |
| Carbazole | -- | 0.38 U | 3.9 U | 2.1 U |
| Chloro-3-methylphenol, 4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Chloroaniline, 4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Chloronaphthalene, 2- | -- | 0.38 U | 3.9 U | 2.1 U |
| Chlorophenol, 2- | -- | 0.38 U | 3.9 U | 2.1 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Chrysene | 1 | 0.38 U | 5.3 | 2.3 |
| Dibenzo(a,h)anthracene | 0.33 | 0.38 U | 3.9 U | 2.1 U |
| Dibenzofuran | 59 | 0.38 U | 0.97 J | 0.52 J |
| Dichlorobenzene, 1,2- | 1.1 | 0.38 U | 3.9 U | 2.1 U |
| Dichlorobenzene, 1,3- | 2.4 | 0.38 U | 3.9 U | 2.1 U |
| Dichlorobenzene, 1,4- | 1.8 | 0.38 U | 3.9 U | 2.1 U |
| Dichlorobenzidine, 3,3- | -- | 0.76 U | 7.7 U | 4.1 U |
| Dichlorophenol, 2,4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Diethyl phthalate | -- | 0.38 UJB | 3.9 U | 2.1 U |
| Dimethylphenol, 2,4- | -- | 0.38 UJ | 3.9 U | 2.1 U |
| Dimethyl phthalate | -- | 0.38 U | 3.9 U | 2.1 U |
| Di-n-butyl phthalate | -- | 0.38 U | 3.9 U | 2.1 U |
| Di-n-octyl phthalate | -- | 0.38 U | 3.9 U | 2.1 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.8 U | 19 U | 10 U |
| Dinitrophenol, 2,4- | -- | 1.8 U | 19 U | 10 U |
| Dinitrotoluene, 2,4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Dinitrotoluene, 2,6- | -- | 0.38 U | 3.9 U | 2.1 U |
| Fluoranthene | 100 | 0.38 U | 7.3 | 3.7 J |
| Fluorene | 100 | 0.38 U | 11 J | 5.3 J |
| Hexachlorobenzene | 1.2 | 0.38 U | 3.9 U | 2.1 U |
| Hexachlorobutadiene | -- | 0.38 U | 3.9 U | 2.1 U |
| Hexachlorocyclopentadiene | -- | 0.38 U | 3.9 U | 2.1 U |
| Hexachloroethane | -- | 0.38 U | 3.9 U | 2.1 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.38 U | 1.7 J | 0.75 J |
| Isophorone | -- | 0.38 U | 3.9 U | 2.1 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|--|--|
| | | CGSB-57 CGSB-57 (25-28) 25.00 to 28.00 -12.45 to -15.45 6/21/2006 | CGSB-58 CGSB58 (34.5-36) 34.50 to 36.00 -27.19 to -28.69 5/20/2006 | CGSB-58 CGSBXX(0-5)_05_20_2006 34.50 to 36.00 -27.19 to -28.69 5/20/2006 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.38 U | 23 J | 11 J |
| Methylphenol, 2- | 0.33 | 0.38 U | 3.9 U | 2.1 U |
| Methylphenol, 4- | 0.33 | 0.38 U | 3.9 U | 2.1 U |
| Naphthalene | 12 | 0.38 U | 36 J | 18 J |
| Nitroaniline, 2- | -- | 1.8 U | 19 U | 10 U |
| Nitroaniline, 3- | -- | 1.8 U | 19 U | 10 U |
| Nitroaniline, 4- | -- | 0.76 U | 7.7 U | 4.1 U |
| Nitrobenzene | -- | 0.38 U | 3.9 U | 2.1 U |
| Nitrophenol, 2- | -- | 0.38 U | 3.9 U | 2.1 U |
| Nitrophenol, 4- | -- | 1.8 U | 19 U | 10 U |
| N-Nitrosodi-n-propylamine | -- | 0.38 U | 3.9 U | 2.1 U |
| N-Nitrosodiphenylamine | -- | 0.38 U | 3.9 U | 2.1 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.38 U | 3.9 U | 2.1 U |
| Pentachlorophenol | 0.8 | 1.8 U | 19 U | 10 U |
| Phenanthrene | 100 | 0.38 U | 31 J | 16 J |
| Phenol | 0.33 | 0.38 U | 3.9 U | 2.1 U |
| Pyrene | 100 | 0.38 U | 19 J | 8.3 J |
| Trichlorobenzene, 1,2,4- | -- | 0.38 U | 3.9 U | 2.1 U |
| Trichlorophenol, 2,4,5- | -- | 1.8 U | 19 U | 10 U |
| Trichlorophenol, 2,4,6- | -- | 0.38 U | 3.9 U | 2.1 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|--|--|
| | | CGSB-57 CGSB-57 (25-28) 25.00 to 28.00 -12.45 to -15.45 6/21/2006 | CGSB-58 CGSB58 (34.5-36) 34.50 to 36.00 -27.19 to -28.69 5/20/2006 | CGSB-58 CGSBXX(0-5)_05_20_2006 34.50 to 36.00 -27.19 to -28.69 5/20/2006 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 8.20 U | 1.70 J | 5.40 B |
| Barium | 400 | 2.10 U | 18.6 J | 19.5 J |
| Cadmium | 4.3 | 3.10 U | 3.90 U | 3.30 U |
| Chromium | 19 | 9.20 | 5.40 | 5.90 |
| Lead | 400 | 9.20 UB | 2.50 J | 3.30 B* |
| Mercury | 0.73 | 0.0580 U | 0.0510 U | 0.0140 J |
| Selenium | 4 | 16.4 UJ | 20.8 U | 17.4 U |
| Silver | 8.3 | 3.10 U | 3.90 U | 3.30 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.59 UJ | 0.61 UJ | 0.63 UJ |
| Cyanide, Free | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|---|--|-------------------------------------|----------------|------------------|
| | | | CGSB-58 | CGSB-59 | CGSB-59 |
| | | | CGSB58 (67.5-69) | CGSB-59 (9-10) | CGSB-59 (20-22) |
| | | | 67.50 to 69.00 | 9.00 to 10.00 | 20.00 to 22.00 |
| | | | -60.19 to -61.69 | -0.07 to -1.07 | -11.07 to -13.07 |
| | | | 5/20/2006 | 6/9/2006 | 6/9/2006 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.024 UJB | 1.7 UJB | 0.026 UJ |
| Benzene | | 0.06 | 0.0061 U | 0.23 J | 0.0066 U |
| Bromodichloromethane | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Bromoform | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Bromomethane | | -- | 0.0061 UJ | 0.70 U | 0.0066 U |
| Butanone, 2- | | 0.12 | 0.012 UJ | 0.70 U | 0.013 U |
| Carbon disulfide | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Carbon tetrachloride | | 0.76 | 0.0061 U | 0.70 U | 0.0066 U |
| Chlorobenzene | | 1.1 | 0.0061 U | 0.70 U | 0.0066 U |
| Chloroethane | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Chloroform | | 0.37 | 0.0061 U | 0.70 U | 0.0066 U |
| Chloromethane | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Dibromochloromethane | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloropropane, 1,2- | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloropropene, cis-1,3- | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Dichloropropene, trans-1,3- | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Ethylbenzene | | 1 | 0.0061 U | 0.48 J | 0.0066 U |
| Hexanone, 2- | | -- | 0.012 UJ | 0.70 U | 0.013 U |
| Methyl-2-pentanone, 4- | | -- | 0.012 U | 0.70 U | 0.013 U |
| Methylene chloride | | 0.05 | 0.024 UJB | 0.70 UJB | 0.026 UJB |
| Styrene | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Tetrachloroethene | | 1.3 | 0.0061 U | 0.70 U | 0.0066 U |
| Toluene | | 0.7 | 0.0061 U | 0.70 U | 0.0066 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0061 U | 0.70 U | 0.0066 U |
| Trichloroethane, 1,1,2- | | -- | 0.0061 U | 0.70 U | 0.0066 U |
| Trichloroethene | | 0.47 | 0.0061 U | 0.70 U | 0.0066 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0061 U | 0.70 U | 0.0066 U |
| Xylenes, Total | | 1.6 | 0.0061 U | 0.25 J | 0.0066 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.39 U | 7.8 J | 0.11 J |
| Acenaphthylene | | 100 | 0.39 U | 8.7 U | 0.42 U |
| Anthracene | | 100 | 0.39 U | 4.1 J | 0.42 U |
| Benzo(a)anthracene | | 1 | 0.39 U | 8.7 U | 0.42 U |
| Benzo(a)pyrene | | 1 | 0.39 U | 8.7 U | 0.42 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|----------------|------------------|
| | | | CGSB-58 | CGSB-59 | CGSB-59 |
| | | | CGSB58 (67.5-69) | CGSB-59 (9-10) | CGSB-59 (20-22) |
| | | | 67.50 to 69.00 | 9.00 to 10.00 | 20.00 to 22.00 |
| | | | -60.19 to -61.69 | -0.07 to -1.07 | -11.07 to -13.07 |
| | | | 5/20/2006 | 6/9/2006 | 6/9/2006 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.39 U | 8.7 U | 0.42 U |
| Benzo(g,h,i)perylene | | 100 | 0.39 U | 8.7 U | 0.42 UJ |
| Benzo(k)fluoranthene | | 1.7 | 0.39 U | 8.7 U | 0.42 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.39 U | 8.7 U | 0.42 U |
| Bis(2-chloroethoxy)methane | | -- | 0.39 U | 8.7 U | 0.42 U |
| Bis(2-chloroethyl)ether | | -- | 0.39 U | 8.7 U | 0.42 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.39 U | 8.7 U | 0.11 J |
| Bromophenyl phenyl ether, 4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Butyl benzyl phthalate | | -- | 0.39 U | 8.7 U | 0.42 U |
| Carbazole | | -- | 0.39 U | 8.7 U | 0.42 U |
| Chloro-3-methylphenol, 4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Chloroaniline, 4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Chloronaphthalene, 2- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Chlorophenol, 2- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Chrysene | | 1 | 0.39 U | 8.7 U | 0.42 U |
| Dibenzo(a,h)anthracene | | 0.33 | 0.39 U | 8.7 U | 0.42 UJ |
| Dibenzofuran | | 59 | 0.39 U | 6.0 J | 0.42 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.39 U | 8.7 U | 0.42 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.39 U | 8.7 U | 0.42 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.39 U | 8.7 U | 0.42 U |
| Dichlorobenzidine, 3,3- | | -- | 0.79 U | 17 U | 0.83 U |
| Dichlorophenol, 2,4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Diethyl phthalate | | -- | 0.39 U | 8.7 U | 0.42 U |
| Dimethylphenol, 2,4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Dimethyl phthalate | | -- | 0.39 U | 8.7 U | 0.42 U |
| Di-n-butyl phthalate | | -- | 0.39 U | 8.7 U | 0.42 U |
| Di-n-octyl phthalate | | -- | 0.39 U | 8.7 U | 0.42 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1.9 U | 42 U | 2.0 U |
| Dinitrophenol, 2,4- | | -- | 1.9 U | 42 U | 2.0 U |
| Dinitrotoluene, 2,4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Dinitrotoluene, 2,6- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Fluoranthene | | 100 | 0.39 U | 3.0 J | 0.42 U |
| Fluorene | | 100 | 0.39 U | 14 | 0.18 J |
| Hexachlorobenzene | | 1.2 | 0.39 U | 8.7 U | 0.42 U |
| Hexachlorobutadiene | | -- | 0.39 U | 8.7 U | 0.42 U |
| Hexachlorocyclopentadiene | | -- | 0.39 U | 8.7 U | 0.42 U |
| Hexachloroethane | | -- | 0.39 U | 8.7 U | 0.42 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.39 U | 8.7 U | 0.42 UJ |
| Isophorone | | -- | 0.39 U | 8.7 U | 0.42 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|----------------|------------------|
| | | | CGSB-58 | CGSB-59 | CGSB-59 |
| | | | CGSB58 (67.5-69) | CGSB-59 (9-10) | CGSB-59 (20-22) |
| | | | 67.50 to 69.00 | 9.00 to 10.00 | 20.00 to 22.00 |
| | | | -60.19 to -61.69 | -0.07 to -1.07 | -11.07 to -13.07 |
| | | | 5/20/2006 | 6/9/2006 | 6/9/2006 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Methylnaphthalene, 2- | | -- | 0.39 U | 83 | 0.57 |
| Methylphenol, 2- | | 0.33 | 0.39 U | 8.7 U | 0.42 U |
| Methylphenol, 4- | | 0.33 | 0.39 U | 8.7 U | 0.42 U |
| Naphthalene | | 12 | 0.39 U | 8.7 U | 0.42 U |
| Nitroaniline, 2- | | -- | 1.9 U | 42 U | 2.0 U |
| Nitroaniline, 3- | | -- | 1.9 U | 42 U | 2.0 U |
| Nitroaniline, 4- | | -- | 0.79 U | 17 U | 0.83 U |
| Nitrobenzene | | -- | 0.39 U | 8.7 U | 0.42 U |
| Nitrophenol, 2- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Nitrophenol, 4- | | -- | 1.9 U | 42 U | 2.0 U |
| N-Nitrosodi-n-propylamine | | -- | 0.39 U | 8.7 U | 0.42 U |
| N-Nitrosodiphenylamine | | -- | 0.39 U | 8.7 U | 0.42 U |
| Oxybis(1-chloropropane), 2,2'- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Pentachlorophenol | | 0.8 | 1.9 U | 42 U | 2.0 U |
| Phenanthrene | | 100 | 0.39 U | 28 | 0.38 J |
| Phenol | | 0.33 | 0.39 U | 8.7 U | 0.42 U |
| Pyrene | | 100 | 0.39 U | 5.2 J | 0.091 J |
| Trichlorobenzene, 1,2,4- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Trichlorophenol, 2,4,5- | | -- | 1.9 U | 42 U | 2.0 U |
| Trichlorophenol, 2,4,6- | | -- | 0.39 U | 8.7 U | 0.42 U |
| Polychlorinated Biphenyls | | | | | |
| Aroclor 1016 | | 1 | NA | NA | NA |
| Aroclor 1221 | | 1 | NA | NA | NA |
| Aroclor 1232 | | 1 | NA | NA | NA |
| Aroclor 1242 | | 1 | NA | NA | NA |
| Aroclor 1248 | | 1 | NA | NA | NA |
| Aroclor 1254 | | 1 | NA | NA | NA |
| Aroclor 1260 | | 1 | NA | NA | NA |
| Pesticides | | | | | |
| Aldrin | | 0.097 | NA | NA | NA |
| BHC, alpha- | | 0.02 | NA | NA | NA |
| BHC, beta- | | 0.09 | NA | NA | NA |
| BHC, delta- | | 0.25 | NA | NA | NA |
| BHC, gamma- | | -- | NA | NA | NA |
| Chlordane, alpha- | | 2.9 | NA | NA | NA |
| Chlordane, gamma- | | -- | NA | NA | NA |
| DDD, 4,4'- | | 13 | NA | NA | NA |
| DDE, 4,4'- | | 8.9 | NA | NA | NA |
| DDT, 4,4'- | | 7.9 | NA | NA | NA |
| Dieldrin | | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | | 24 | NA | NA | NA |

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|-------------------------------|---|--|--|--|--|
| | | | CGSB-58 CGSB58 (67.5-69) 67.50 to 69.00 -60.19 to -61.69 5/20/2006 | CGSB-59 CGSB-59 (9-10) 9.00 to 10.00 -0.07 to -1.07 6/9/2006 | CGSB-59 CGSB-59 (20-22) 20.00 to 22.00 -11.07 to -13.07 6/9/2006 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 7.70 U | 6.90 B | 6.10 B |
| Barium | | 400 | 15.2 J | 207 | 30.6 J |
| Cadmium | | 4.3 | 2.90 U | 4.30 U | 4.70 U |
| Chromium | | 19 | 4.40 | 5.80 J | 14.8 J |
| Lead | | 400 | 4.10 B* | 63.7 J | 7.10 J |
| Mercury | | 0.73 | 0.0390 U | 4.80 | 0.0450 U |
| Selenium | | 4 | 15.5 U | 23.1 UJ | 25.2 UJ |
| Silver | | 8.3 | 2.90 U | 4.30 U | 4.70 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.61 UJ | 0.70 U | 0.66 U |
| Cyanide, Free | | -- | NA | NA | NA |

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Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|---|--|-------------------------------------|------------------|-----------------|
| | | | CGSB-59 | CGSB-60 | CGSB-79 |
| | | | CGSB-59 (42-45) | CGSB-60 (35-38) | CGSB-79 (2-3) |
| | | | 42.00 to 45.00 | 35.00 to 38.00 | 2.00 to 3.00 |
| | | | -33.07 to -36.07 | -29.76 to -32.76 | 4.42 to 3.42 |
| | | | 6/9/2006 | 6/6/2006 | 12/17/2009 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.023 U | 0.024 UJ | 0.024 U |
| Benzene | | 0.06 | 0.0057 U | 0.0061 U | 0.0013 J |
| Bromodichloromethane | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Bromoform | | -- | 0.0057 UJ | 0.0061 U | 0.0059 U |
| Bromomethane | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Butanone, 2- | | 0.12 | R | 0.012 U | 0.012 UJ |
| Carbon disulfide | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Carbon tetrachloride | | 0.76 | 0.0057 U | 0.0061 U | 0.0059 U |
| Chlorobenzene | | 1.1 | 0.0057 U | 0.0061 U | 0.0059 U |
| Chloroethane | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Chloroform | | 0.37 | 0.0057 U | 0.0061 U | 0.0059 U |
| Chloromethane | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Dibromochloromethane | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloropropane, 1,2- | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloropropene, cis-1,3- | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Dichloropropene, trans-1,3- | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Ethylbenzene | | 1 | 0.0057 U | 0.0061 U | 0.0059 U |
| Hexanone, 2- | | -- | 0.011 U | 0.012 U | 0.012 U |
| Methyl-2-pentanone, 4- | | -- | 0.011 U | 0.012 U | 0.0059 U |
| Methylene chloride | | 0.05 | 0.023 UJB | 0.024 UJB | 0.024 U |
| Styrene | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Tetrachloroethene | | 1.3 | 0.0057 U | 0.0061 U | 0.0059 U |
| Toluene | | 0.7 | 0.0057 U | 0.0061 U | 0.0059 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0057 U | 0.0030 J | 0.0059 U |
| Trichloroethane, 1,1,2- | | -- | 0.0057 U | 0.0061 U | 0.0059 U |
| Trichloroethene | | 0.47 | 0.0057 U | 0.0061 U | 0.0059 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0057 U | 0.0061 U | 0.0059 U |
| Xylenes, Total | | 1.6 | 0.0057 U | 0.0061 U | 0.0018 J |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.38 U | 0.38 U | 1.3 J |
| Acenaphthylene | | 100 | 0.38 U | 0.38 U | 0.18 J |
| Anthracene | | 100 | 0.38 U | 0.38 U | 2.5 J |
| Benzo(a)anthracene | | 1 | 0.38 U | 0.38 U | 6.3 J |
| Benzo(a)pyrene | | 1 | 0.38 U | 0.38 U | 6.7 J |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|-----------------------------|-------------------------------------|-------------------------------------|-----------------|---------------|
| | Location ID: | | CGSB-59 | CGSB-60 | CGSB-79 |
| | Sample ID: | | CGSB-59 (42-45) | CGSB-60 (35-38) | CGSB-79 (2-3) |
| | Sample Interval (feet bgs): | | 42.00 to 45.00 | 35.00 to 38.00 | 2.00 to 3.00 |
| Sample Interval (feet NAVD88): | | -33.07 to -36.07 | -29.76 to -32.76 | 4.42 to 3.42 | |
| Sample Date: | | 6/9/2006 | 6/6/2006 | 12/17/2009 | |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.38 U | 0.38 U | 9 J |
| Benzo(g,h,i)perylene | | 100 | 0.38 UJ | 0.38 U | 4.1 J |
| Benzo(k)fluoranthene | | 1.7 | 0.38 U | 0.38 U | 3.6 J |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.38 U | 0.38 U | 1.6 U |
| Bis(2-chloroethoxy)methane | | -- | 0.38 U | 0.38 U | 1.6 U |
| Bis(2-chloroethyl)ether | | -- | 0.38 U | 0.38 U | 1.6 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.095 J | 0.38 UMB | 1.6 U |
| Bromophenyl phenyl ether, 4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Butyl benzyl phthalate | | -- | 0.38 U | 0.38 U | 1.6 U |
| Carbazole | | -- | 0.38 U | 0.38 U | 1.5 J |
| Chloro-3-methylphenol, 4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Chloroaniline, 4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Chloronaphthalene, 2- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Chlorophenol, 2- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Chrysene | | 1 | 0.38 U | 0.38 U | 7 J |
| Dibenzo(a,h)anthracene | | 0.33 | 0.38 UJ | 0.38 U | 0.86 J |
| Dibenzofuran | | 59 | 0.38 U | 0.38 U | 0.66 J |
| Dichlorobenzene, 1,2- | | 1.1 | 0.38 U | 0.38 U | 1.6 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.38 U | 0.38 U | 1.6 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.38 U | 0.38 U | 1.6 U |
| Dichlorobenzidine, 3,3- | | -- | 0.75 U | 0.76 U | 1.9 U |
| Dichlorophenol, 2,4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Diethyl phthalate | | -- | 0.38 U | 0.38 U | 1.6 U |
| Dimethylphenol, 2,4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Dimethyl phthalate | | -- | 0.38 U | 0.38 U | 1.6 U |
| Di-n-butyl phthalate | | -- | 0.38 U | 0.38 U | 1.6 U |
| Di-n-octyl phthalate | | -- | 0.38 U | 0.38 U | 9.9 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1.8 U | 1.8 U | 9.9 U |
| Dinitrophenol, 2,4- | | -- | 1.8 U | 1.8 U | 1.6 U |
| Dinitrotoluene, 2,4- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Dinitrotoluene, 2,6- | | -- | 0.38 U | 0.38 U | 1.6 U |
| Fluoranthene | | 100 | 0.38 U | 0.38 U | 13 J |
| Fluorene | | 100 | 0.38 U | 0.38 U | 0.92 J |
| Hexachlorobenzene | | 1.2 | 0.38 U | 0.38 U | 1.6 U |
| Hexachlorobutadiene | | -- | 0.38 U | 0.38 U | 1.6 U |
| Hexachlorocyclopentadiene | | -- | 0.38 U | 0.38 U | 3.9 U |
| Hexachloroethane | | -- | 0.38 U | 0.38 U | 1.6 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.38 UJ | 0.38 U | 4 J |
| Isophorone | | -- | 0.38 U | 0.38 U | 1.6 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|--|--|
| | | CGSB-59 CGSB-59 (42-45) 42.00 to 45.00 -33.07 to -36.07 6/9/2006 | CGSB-60 CGSB-60 (35-38) 35.00 to 38.00 -29.76 to -32.76 6/6/2006 | CGSB-79 CGSB-79 (2-3) 2.00 to 3.00 4.42 to 3.42 12/17/2009 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.38 U | 0.38 U | 0.37 J |
| Methylphenol, 2- | 0.33 | 0.38 U | 0.38 U | 1.6 U |
| Methylphenol, 4- | 0.33 | 0.38 U | 0.38 U | 1.6 U |
| Naphthalene | 12 | 0.38 U | 0.38 U | 0.82 J |
| Nitroaniline, 2- | -- | 1.8 U | 1.8 U | 3.9 U |
| Nitroaniline, 3- | -- | 1.8 U | 1.8 U | 3.9 U |
| Nitroaniline, 4- | -- | 0.75 U | 0.76 U | 0.57 J |
| Nitrobenzene | -- | 0.38 U | 0.38 U | 1.6 U |
| Nitrophenol, 2- | -- | 0.38 U | 0.38 U | 1.6 U |
| Nitrophenol, 4- | -- | 1.8 U | 1.8 U | 9.9 UJ |
| N-Nitrosodi-n-propylamine | -- | 0.38 U | 0.38 U | 1.6 U |
| N-Nitrosodiphenylamine | -- | 0.38 U | 0.38 U | 1.6 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.38 U | 0.38 U | 1.6 U |
| Pentachlorophenol | 0.8 | 1.8 U | 1.8 U | 3.9 U |
| Phenanthrene | 100 | 0.38 U | 0.38 U | 11 J |
| Phenol | 0.33 | 0.38 U | 0.38 U | 1.6 U |
| Pyrene | 100 | 0.38 U | 0.38 U | 13 J |
| Trichlorobenzene, 1,2,4- | -- | 0.38 U | 0.38 U | 1.6 U |
| Trichlorophenol, 2,4,5- | -- | 1.8 U | 1.8 U | 9.9 U |
| Trichlorophenol, 2,4,6- | -- | 0.38 U | 0.38 U | 1.6 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | 0.02 UJ |
| Aroclor 1221 | 1 | NA | NA | 0.02 UJ |
| Aroclor 1232 | 1 | NA | NA | 0.02 UJ |
| Aroclor 1242 | 1 | NA | NA | 0.02 UJ |
| Aroclor 1248 | 1 | NA | NA | 0.02 UJ |
| Aroclor 1254 | 1 | NA | NA | 0.02 UJ |
| Aroclor 1260 | 1 | NA | NA | 0.0048 J |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | 0.002 UJ |
| BHC, alpha- | 0.02 | NA | NA | 0.002 U |
| BHC, beta- | 0.09 | NA | NA | 0.002 UJ |
| BHC, delta- | 0.25 | NA | NA | 0.002 U |
| BHC, gamma- | -- | NA | NA | 0.002 U |
| Chlordane, alpha- | 2.9 | NA | NA | 0.002 U |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | 0.008 JN |
| DDE, 4,4'- | 8.9 | NA | NA | 0.0038 U |
| DDT, 4,4'- | 7.9 | NA | NA | 0.02 J |
| Dieldrin | 0.1 | NA | NA | 0.0038 U |
| Endosulfan, alpha- | 24 | NA | NA | 0.002 U |

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--------------------------------|-----------------------------|--|-------------------------------------|-----------------|-----------------|
| | Location ID: | | CGSB-59 | CGSB-60 | CGSB-79 |
| | Sample ID: | | CGSB-59 (42-45) | CGSB-60 (35-38) | CGSB-79 (2-3) |
| | Sample Interval (feet bgs): | | 42.00 to 45.00 | 35.00 to 38.00 | 2.00 to 3.00 |
| Sample Interval (feet NAVD88): | | -33.07 to -36.07 | -29.76 to -32.76 | 4.42 to 3.42 | |
| Sample Date: | | 6/9/2006 | 6/6/2006 | 12/17/2009 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | 0.0079 J |
| Endosulfan sulphate | | 24 | NA | NA | 0.0038 UJ |
| Endrin | | 0.06 | NA | NA | 0.0038 U |
| Endrin aldehyde | | -- | NA | NA | 0.012 J |
| Endrin ketone | | -- | NA | NA | 0.028 J |
| Heptachlor | | 0.38 | NA | NA | 0.002 UJ |
| Heptachlor epoxide | | -- | NA | NA | 0.002 UJ |
| Methoxychlor | | -- | NA | NA | 0.02 UJ |
| Toxaphene | | -- | NA | NA | 0.096 U |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | 0.02 U |
| T, 2,4,5- | | -- | NA | NA | 0.02 U |
| TP, 2,4,5- | | 3.8 | NA | NA | 0.02 UJ |
| Metals | | | | | |
| Arsenic | | 16 | 1.30 J | 61.7 | 26 |
| Barium | | 400 | 47.4 | 13.6 J | 631 J |
| Cadmium | | 4.3 | 2.80 U | 3.50 U | 2.8 J |
| Chromium | | 19 | 8.00 J | 6.10 J | 43.6 J |
| Lead | | 400 | 10.3 J | 3.60 J | 2,300 J |
| Mercury | | 0.73 | 0.0410 U | 0.0460 U | 1 J |
| Selenium | | 4 | 14.9 UJ | 18.6 UJ | 10.9 UJ |
| Silver | | 8.3 | 2.80 U | 3.50 U | 1.5 UJ |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.57 U | 0.61 U | NA |
| Cyanide, Free | | -- | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|-----------------------------|--|-------------------------------------|-----------------|------------------|
| | Location ID: | | CGBS-79 | CGSB-79 | CGSB-79 |
| | Sample ID: | | CG XX121709 | CGSB-79 (38-40) | CGSB-79 (60-62) |
| | Sample Interval (feet bgs): | | 2.00 to 3.00 | 38.00 to 40.00 | 60.00 to 62.00 |
| Sample Interval (feet NAVD88): | 4.42 to 3.42 | -31.58 to -33.58 | -53.58 to -55.58 | | |
| Sample Date: | 12/17/2009 | 12/17/2009 | 12/17/2009 | | |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.023 U | 16 UJ | 0.025 U |
| Benzene | | 0.06 | 0.0058 U | 8.7 | 0.0038 J |
| Bromodichloromethane | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Bromoform | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Bromomethane | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Butanone, 2- | | 0.12 | 0.012 UJ | 6.2 U | 0.012 U |
| Carbon disulfide | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Carbon tetrachloride | | 0.76 | 0.0058 U | 6.2 U | 0.0062 U |
| Chlorobenzene | | 1.1 | 0.0058 U | 6.2 U | 0.0062 U |
| Chloroethane | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Chloroform | | 0.37 | 0.0058 U | 6.2 U | 0.0062 U |
| Chloromethane | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Dibromochloromethane | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloropropane, 1,2- | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloropropene, cis-1,3- | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Dichloropropene, trans-1,3- | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Ethylbenzene | | 1 | 0.0058 U | 170 | 0.016 |
| Hexanone, 2- | | -- | 0.012 U | 6.2 U | 0.012 U |
| Methyl-2-pentanone, 4- | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Methylene chloride | | 0.05 | 0.023 U | 6.2 U | 0.025 U |
| Styrene | | -- | 0.0058 U | 7.7 | 0.00067 J |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Tetrachloroethene | | 1.3 | 0.00099 J | 6.2 U | 0.0062 U |
| Toluene | | 0.7 | 0.0058 U | 79 | 0.0062 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0058 U | 6.2 U | 0.0062 U |
| Trichloroethane, 1,1,2- | | -- | 0.0058 U | 6.2 U | 0.0062 U |
| Trichloroethene | | 0.47 | 0.0058 U | 6.2 U | 0.0062 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0058 U | 6.2 U | 0.0062 U |
| Xylenes, Total | | 1.6 | 0.00064 J | 200 | 0.018 |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.24 J | 16 J | 0.15 J |
| Acenaphthylene | | 100 | 0.069 J | 900 | 0.29 J |
| Anthracene | | 100 | 0.51 J | 460 | 0.27 J |
| Benzo(a)anthracene | | 1 | 1.8 J | 260 | 0.12 J |
| Benzo(a)pyrene | | 1 | 1.9 J | 190 | 0.077 J |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|----------------------------|----------------------------|
| | | | CGBS-79 CG XX121709 | CGSB-79 CGSB-79 (38-40) | CGSB-79 CGSB-79 (60-62) |
| | | | 2.00 to 3.00 | 38.00 to 40.00 | 60.00 to 62.00 |
| | | | 4.42 to 3.42 | -31.58 to -33.58 | -53.58 to -55.58 |
| | | | 12/17/2009 | 12/17/2009 | 12/17/2009 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 2.2 J | 140 J | 0.059 J |
| Benzo(g,h,i)perylene | | 100 | 2 J | 47 J | 0.023 J |
| Benzo(k)fluoranthene | | 1.7 | 0.87 J | 46 J | 0.33 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.62 U | 170 U | 0.33 U |
| Bis(2-chloroethoxy)methane | | -- | 0.62 U | 170 U | 0.33 U |
| Bis(2-chloroethyl)ether | | -- | 0.62 U | 170 U | 0.33 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.62 U | 170 U | 0.33 U |
| Bromophenyl phenyl ether, 4- | | -- | 0.62 U | 170 U | 0.33 U |
| Butyl benzyl phthalate | | -- | 0.62 UJ | 170 U | 0.33 U |
| Carbazole | | -- | 0.25 J | 19 J | 0.032 J |
| Chloro-3-methylphenol, 4- | | -- | 0.62 U | 170 U | 0.33 U |
| Chloroaniline, 4- | | -- | 0.62 U | 170 U | 0.33 U |
| Chloronaphthalene, 2- | | -- | 0.62 U | 170 U | 0.33 U |
| Chlorophenol, 2- | | -- | 0.62 U | 170 U | 0.33 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.62 U | 170 U | 0.33 U |
| Chrysene | | 1 | 2 J | 290 | 0.12 J |
| Dibenzo(a,h)anthracene | | 0.33 | 0.48 J | 170 U | 0.33 U |
| Dibenzofuran | | 59 | 0.15 J | 170 U | 0.33 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.62 U | 170 U | 0.022 J |
| Dichlorobenzene, 1,3- | | 2.4 | 0.62 U | 170 U | 0.33 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.62 U | 170 U | 0.33 U |
| Dichlorobenzidine, 3,3- | | -- | 0.75 UJ | 200 U | 0.4 U |
| Dichlorophenol, 2,4- | | -- | 0.62 U | 170 U | 0.33 U |
| Diethyl phthalate | | -- | 0.62 U | 170 U | 0.33 U |
| Dimethylphenol, 2,4- | | -- | 0.62 U | 170 U | 0.33 U |
| Dimethyl phthalate | | -- | 0.62 U | 170 U | 0.33 U |
| Di-n-butyl phthalate | | -- | 0.62 U | 170 U | 0.33 U |
| Di-n-octyl phthalate | | -- | 3.9 U | 1,000 U | 2.1 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 3.9 U | 1000 U | 2.1 U |
| Dinitrophenol, 2,4- | | -- | 0.62 U | 170 U | 0.33 U |
| Dinitrotoluene, 2,4- | | -- | 0.62 U | 170 U | 0.33 U |
| Dinitrotoluene, 2,6- | | -- | 0.62 UJ | 170 U | 0.33 U |
| Fluoranthene | | 100 | 2.4 J | 520 | 0.27 J |
| Fluorene | | 100 | 0.18 J | 720 | 0.27 J |
| Hexachlorobenzene | | 1.2 | 0.62 U | 170 U | 0.33 U |
| Hexachlorobutadiene | | -- | 0.62 U | 170 U | 0.33 U |
| Hexachlorocyclopentadiene | | -- | 1.5 U | 410 U | 0.81 U |
| Hexachloroethane | | -- | 0.62 U | 170 U | 0.33 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 2.1 J | 45 J | 0.022 J |
| Isophorone | | -- | 0.62 U | 170 U | 0.33 U |

Table 6
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|----------------------------|----------------------------|
| | | | CGBS-79 CG XX121709 | CGSB-79 CGSB-79 (38-40) | CGSB-79 CGSB-79 (60-62) |
| | | | 2.00 to 3.00 | 38.00 to 40.00 | 60.00 to 62.00 |
| | | | 4.42 to 3.42 | -31.58 to -33.58 | -53.58 to -55.58 |
| | | | 12/17/2009 | 12/17/2009 | 12/17/2009 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Methylnaphthalene, 2- | -- | -- | 0.2 J | 2,000 | 0.27 J |
| Methylphenol, 2- | 0.33 | 0.33 | 0.62 U | 170 U | 0.33 U |
| Methylphenol, 4- | 0.33 | 0.33 | 0.62 U | 170 U | 0.33 U |
| Naphthalene | 12 | 12 | 0.29 J | 2,600 | 0.33 |
| Nitroaniline, 2- | -- | -- | 1.5 U | 410 U | 0.81 U |
| Nitroaniline, 3- | -- | -- | 1.5 U | 410 U | 0.81 U |
| Nitroaniline, 4- | -- | -- | 0.62 U | 170 U | 0.33 U |
| Nitrobenzene | -- | -- | 0.62 U | 170 U | 0.33 U |
| Nitrophenol, 2- | -- | -- | 0.62 U | 170 U | 0.33 U |
| Nitrophenol, 4- | -- | -- | 3.9 U | 1,000 U | 2.1 U |
| N-Nitrosodi-n-propylamine | -- | -- | 0.62 U | 170 U | 0.33 U |
| N-Nitrosodiphenylamine | -- | -- | 0.62 U | 170 U | 0.33 U |
| Oxybis(1-chloropropane), 2,2'- | -- | -- | 0.62 U | 170 U | 0.33 U |
| Pentachlorophenol | 0.8 | 0.8 | 1.5 U | 410 U | 0.81 U |
| Phenanthrene | 100 | 100 | 2.4 J | 1,500 | 0.68 |
| Phenol | 0.33 | 0.33 | 0.62 U | 170 U | 0.33 U |
| Pyrene | 100 | 100 | 5 J | 680 | 0.33 J |
| Trichlorobenzene, 1,2,4- | -- | -- | 0.62 U | 170 U | 0.33 U |
| Trichlorophenol, 2,4,5- | -- | -- | 3.9 U | 1,000 U | 2.1 U |
| Trichlorophenol, 2,4,6- | -- | -- | 0.62 U | 170 U | 0.33 U |
| Polychlorinated Biphenyls | | | | | |
| Aroclor 1016 | 1 | 1 | 0.02 U | 0.021 UJ | 0.02 U |
| Aroclor 1221 | 1 | 1 | 0.02 U | 0.021 UJ | 0.02 U |
| Aroclor 1232 | 1 | 1 | 0.02 U | 0.021 UJ | 0.02 U |
| Aroclor 1242 | 1 | 1 | 0.02 U | 0.021 UJ | 0.02 U |
| Aroclor 1248 | 1 | 1 | 0.02 U | 0.021 UJ | 0.02 U |
| Aroclor 1254 | 1 | 1 | 0.02 U | 0.021 UJ | 0.02 U |
| Aroclor 1260 | 1 | 1 | 0.014 J | 0.021 UJ | 0.02 U |
| Pesticides | | | | | |
| Aldrin | 0.097 | 0.097 | 0.002 UJ | NA | NA |
| BHC, alpha- | 0.02 | 0.02 | 0.002 U | NA | NA |
| BHC, beta- | 0.09 | 0.09 | 0.002 UJ | NA | NA |
| BHC, delta- | 0.25 | 0.25 | 0.002 U | NA | NA |
| BHC, gamma- | -- | -- | 0.002 U | NA | NA |
| Chlordane, alpha- | 2.9 | 2.9 | 0.002 U | NA | NA |
| Chlordane, gamma- | -- | -- | 0.0049 JN | NA | NA |
| DDD, 4,4'- | 13 | 13 | 0.015 J | NA | NA |
| DDE, 4,4'- | 8.9 | 8.9 | 0.0085 J | NA | NA |
| DDT, 4,4'- | 7.9 | 7.9 | 0.019 J | NA | NA |
| Dieldrin | 0.1 | 0.1 | 0.0038 U | NA | NA |
| Endosulfan, alpha- | 24 | 24 | 0.002 U | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--------------------------------|-----------------------------|--|-------------------------------------|------------------|-----------------|
| | Location ID: | | CGBS-79 | CGSB-79 | CGSB-79 |
| | Sample ID: | | CG XX121709 | CGSB-79 (38-40) | CGSB-79 (60-62) |
| | Sample Interval (feet bgs): | | 2.00 to 3.00 | 38.00 to 40.00 | 60.00 to 62.00 |
| Sample Interval (feet NAVD88): | Sample Date: | 4.42 to 3.42 | -31.58 to -33.58 | -53.58 to -55.58 | |
| Parameter | Sample Date: | 12/17/2009 | 12/17/2009 | 12/17/2009 | |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | 0.0038 U | NA | NA |
| Endosulfan sulphate | | 24 | 0.0038 UJ | NA | NA |
| Endrin | | 0.06 | 0.0064 J | NA | NA |
| Endrin aldehyde | | -- | 0.0095 J | NA | NA |
| Endrin ketone | | -- | 0.017 JN | NA | NA |
| Heptachlor | | 0.38 | 0.002 UJ | NA | NA |
| Heptachlor epoxide | | -- | 0.002 UJ | NA | NA |
| Methoxychlor | | -- | 0.02 UJ | NA | NA |
| Toxaphene | | -- | 0.096 U | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | 0.02 U | NA | NA |
| T, 2,4,5- | | -- | 0.02 U | NA | NA |
| TP, 2,4,5- | | 3.8 | 0.02 UJ | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 17.1 | 6.5 U | 6.4 U |
| Barium | | 400 | 354 J | 15.2 | 59 |
| Cadmium | | 4.3 | 1.9 J | 1.6 U | 1.5 U |
| Chromium | | 19 | 45.4 J | 7.3 | 7.3 |
| Lead | | 400 | 1,290 J | 2.3 J | 2.6 J |
| Mercury | | 0.73 | 0.66 J | 0.06 U | 0.06 U |
| Selenium | | 4 | 10.7 UJ | 11.6 UJ | 11.4 U |
| Silver | | 8.3 | 1.4 UJ | 1.6 U | 1.5 UJ |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | NA | NA | NA |
| Cyanide, Free | | -- | NA | 0.248 U | 0.244 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|-----------------------------|-------------------------------------|-------------------------------------|----------------|------------------|
| | Location ID: | | CGSB-79B | CGSB-79B | CGSB-95 |
| | Sample ID: | | CGSB-79B (12-14) | CGSBXX122209 | CGSB-95 (49-50) |
| | Sample Interval (feet bgs): | | 12.00 to 14.00 | 12.00 to 14.00 | 49.00 to 50.00 |
| Sample Interval (feet NAVD88): | Sample Date: | | -5.58 to -7.58 | -5.58 to -7.58 | -41.41 to -42.41 |
| | | | 12/22/2009 | 12/22/2009 | 2/12/2010 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 2.4 UJ | 2.1 UJ | 0.022 UJ* |
| Benzene | | 0.06 | 0.46 J | 0.29 J | 0.0055 U |
| Bromodichloromethane | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Bromoform | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Bromomethane | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Butanone, 2- | | 0.12 | 0.97 U | 0.84 U | 0.011 U |
| Carbon disulfide | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Carbon tetrachloride | | 0.76 | 0.97 U | 0.84 U | 0.0055 U |
| Chlorobenzene | | 1.1 | 0.97 U | 0.84 U | 0.0055 U |
| Chloroethane | | -- | 0.97 U | 0.84 U | 0.0055 UJ |
| Chloroform | | 0.37 | 0.97 U | 0.84 U | 0.0055 U |
| Chloromethane | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Dibromochloromethane | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Dichloroethane, 1,1- | | 0.27 | 0.97 U | 0.84 U | 0.0055 U |
| Dichloroethane, 1,2- | | 0.02 | 0.97 U | 0.84 U | 0.0055 U |
| Dichloroethene, 1,1- | | 0.33 | 0.97 U | 0.84 U | 0.0055 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.97 U | 0.84 U | 0.0055 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.97 U | 0.84 U | 0.0055 U |
| Dichloropropane, 1,2- | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Dichloropropene, cis-1,3- | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Dichloropropene, trans-1,3- | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Ethylbenzene | | 1 | 16 | 11 | 0.0055 U |
| Hexanone, 2- | | -- | 0.97 U | 0.84 U | 0.011 U |
| Methyl-2-pentanone, 4- | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Methylene chloride | | 0.05 | 0.32 J | 0.3 J | 0.022 UJ |
| Styrene | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Tetrachloroethene | | 1.3 | 0.97 U | 0.84 U | 0.0055 U |
| Toluene | | 0.7 | 0.62 J | 0.37 J | 0.0055 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.97 U | 0.84 U | 0.0055 U |
| Trichloroethane, 1,1,2- | | -- | 0.97 U | 0.84 U | 0.0055 U |
| Trichloroethene | | 0.47 | 0.97 U | 0.84 U | 0.0055 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.97 U | 0.84 U | 0.0055 U |
| Xylenes, Total | | 1.6 | 4.5 | 3.2 | 0.0055 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 68 | 52 | 0.30 U |
| Acenaphthylene | | 100 | 49 | 20 | 0.30 U |
| Anthracene | | 100 | 79 | 40 | 0.30 U |
| Benzo(a)anthracene | | 1 | 110 | 38 | 0.30 U |
| Benzo(a)pyrene | | 1 | 110 | 34 | 0.30 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|----------------|------------------|
| | | | CGSB-79B | CGSB-79B | CGSB-95 |
| | | | CGSB-79B (12-14) | CGSBXX122209 | CGSB-95 (49-50) |
| | | | 12.00 to 14.00 | 12.00 to 14.00 | 49.00 to 50.00 |
| | | | -5.58 to -7.58 | -5.58 to -7.58 | -41.41 to -42.41 |
| | | | 12/22/2009 | 12/22/2009 | 2/12/2010 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 93 | 30 | 0.30 U |
| Benzo(g,h,i)perylene | | 100 | 72 | 16 | 0.30 U |
| Benzo(k)fluoranthene | | 1.7 | 29 | 13 | 0.30 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 26 U | 9 U | 0.30 U |
| Bis(2-chloroethoxy)methane | | -- | 26 U | 9 U | 0.30 U |
| Bis(2-chloroethyl)ether | | -- | 26 U | 9 U | 0.30 U |
| Bis(2-ethylhexyl)phthalate | | -- | 26 U | 9 U | 1.1 B |
| Bromophenyl phenyl ether, 4- | | -- | 26 U | 9 U | 0.30 U |
| Butyl benzyl phthalate | | -- | 26 U | 9 U | 0.30 U |
| Carbazole | | -- | 26 U | 5.3 J | 0.30 U |
| Chloro-3-methylphenol, 4- | | -- | 26 U | 9 U | 0.30 U |
| Chloroaniline, 4- | | -- | 26 U | 9 U | 0.30 U |
| Chloronaphthalene, 2- | | -- | 26 U | 9 U | 0.30 U |
| Chlorophenol, 2- | | -- | 26 U | 9 U | 0.30 U |
| Chlorophenyl phenyl ether, 4- | | -- | 26 U | 9 U | 0.30 U |
| Chrysene | | 1 | 120 | 39 | 0.30 U |
| Dibenzo(a,h)anthracene | | 0.33 | 14 J | 2.1 J | 0.30 U |
| Dibenzofuran | | 59 | 22 J | 18 | 0.30 U |
| Dichlorobenzene, 1,2- | | 1.1 | 26 U | 9 U | 0.30 U |
| Dichlorobenzene, 1,3- | | 2.4 | 26 U | 9 U | 0.30 U |
| Dichlorobenzene, 1,4- | | 1.8 | 26 U | 9 U | 0.30 U |
| Dichlorobenzidine, 3,3- | | -- | 32 U | 11 U | 0.36 U |
| Dichlorophenol, 2,4- | | -- | 26 U | 9 U | 0.30 U |
| Diethyl phthalate | | -- | 26 U | 9 U | 0.30 U |
| Dimethylphenol, 2,4- | | -- | 26 U | 9 U | 0.30 U |
| Dimethyl phthalate | | -- | 26 U | 9 U | 0.30 U |
| Di-n-butyl phthalate | | -- | 26 U | 9 U | 0.30 U |
| Di-n-octyl phthalate | | -- | 160 U | 57 U | 0.30 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 160 U | 57 U | 1.9 U |
| Dinitrophenol, 2,4- | | -- | 26 U | 9 U | 1.9 U |
| Dinitrotoluene, 2,4- | | -- | 26 U | 9 U | 0.30 U |
| Dinitrotoluene, 2,6- | | -- | 26 U | 9 U | 0.30 U |
| Fluoranthene | | 100 | 170 | 72 | 0.30 U |
| Fluorene | | 100 | 24 J | 28 | 0.30 U |
| Hexachlorobenzene | | 1.2 | 26 U | 9 U | 0.30 U |
| Hexachlorobutadiene | | -- | 26 U | 9 U | 0.30 U |
| Hexachlorocyclopentadiene | | -- | 65 U | 22 U | 0.73 U |
| Hexachloroethane | | -- | 26 U | 9 U | 0.30 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 58 | 14 | 0.30 U |
| Isophorone | | -- | 26 U | 9 U | 0.30 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|-----------------|------------------|
| | | | CGSB-79B | CGSB-79B | CGSB-95 |
| | | | CGSB-79B (12-14) | CGSBXX122209 | CGSB-95 (49-50) |
| | | | 12.00 to 14.00 | 12.00 to 14.00 | 49.00 to 50.00 |
| | | | -5.58 to -7.58 | -5.58 to -7.58 | -41.41 to -42.41 |
| | | | 12/22/2009 | 12/22/2009 | 2/12/2010 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Methylnaphthalene, 2- | -- | -- | 8.2 J | 1.6 J | 0.30 U |
| Methylphenol, 2- | 0.33 | 0.33 | 26 U | 9 U | 0.30 U |
| Methylphenol, 4- | 0.33 | 0.33 | 26 U | 9 U | 0.30 U |
| Naphthalene | 12 | 12 | 20 J | 11 | 0.30 U |
| Nitroaniline, 2- | -- | -- | 65 U | 22 U | 0.73 U |
| Nitroaniline, 3- | -- | -- | 65 U | 22 U | 0.73 U |
| Nitroaniline, 4- | -- | -- | 26 U | 9 U | 0.30 U |
| Nitrobenzene | -- | -- | 26 U | 9 U | 0.30 U |
| Nitrophenol, 2- | -- | -- | 26 U | 9 U | 0.30 U |
| Nitrophenol, 4- | -- | -- | 160 U | 57 U | 1.9 U |
| N-Nitrosodi-n-propylamine | -- | -- | 26 U | 9 U | 0.30 U |
| N-Nitrosodiphenylamine | -- | -- | 26 U | 9 U | 0.30 U |
| Oxybis(1-chloropropane), 2,2'- | -- | -- | 26 U | 9 U | 0.30 U |
| Pentachlorophenol | 0.8 | 0.8 | 65 U | 22 U | 0.73 U |
| Phenanthrene | 100 | 100 | 220 | 150 | 0.015 J |
| Phenol | 0.33 | 0.33 | 26 U | 9 U | 0.30 U |
| Pyrene | 100 | 100 | 250 | 86 | 0.30 U |
| Trichlorobenzene, 1,2,4- | -- | -- | 26 U | 9 U | 0.30 U |
| Trichlorophenol, 2,4,5- | -- | -- | 160 U | 57 U | 1.9 U |
| Trichlorophenol, 2,4,6- | -- | -- | 26 U | 9 U | 0.30 U |
| Polychlorinated Biphenyls | | | | | |
| Aroclor 1016 | 1 | 1 | 0.032 U | 0.028 U | NA |
| Aroclor 1221 | 1 | 1 | 0.032 U | 0.028 U | NA |
| Aroclor 1232 | 1 | 1 | 0.032 U | 0.028 U | NA |
| Aroclor 1242 | 1 | 1 | 0.032 U | 0.028 U | NA |
| Aroclor 1248 | 1 | 1 | 0.032 U | 0.028 U | NA |
| Aroclor 1254 | 1 | 1 | 0.032 U | 0.028 U | NA |
| Aroclor 1260 | 1 | 1 | 0.032 UJ | 0.028 U | NA |
| Pesticides | | | | | |
| Aldrin | 0.097 | 0.097 | 0.032 U | 0.0085 J | NA |
| BHC, alpha- | 0.02 | 0.02 | 0.032 U | 0.0028 UJ | NA |
| BHC, beta- | 0.09 | 0.09 | 0.061 J | 0.0096 JN | NA |
| BHC, delta- | 0.25 | 0.25 | 0.032 UJ | 0.0028 U | NA |
| BHC, gamma- | -- | -- | 0.032 U | 0.0028 U | NA |
| Chlordane, alpha- | 2.9 | 2.9 | 0.032 U | 0.0066 JN | NA |
| Chlordane, gamma- | -- | -- | 0.032 UJ | 0.0099 JN | NA |
| DDD, 4,4'- | 13 | 13 | 0.063 U | 0.011 J | NA |
| DDE, 4,4'- | 8.9 | 8.9 | 0.051 J | 0.016 J | NA |
| DDT, 4,4'- | 7.9 | 7.9 | 0.58 J | 0.068 J | NA |
| Dieldrin | 0.1 | 0.1 | 0.063 U | 0.0054 UJ | NA |
| Endosulfan, alpha- | 24 | 24 | 0.032 UJ | 0.0028 U | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|-------------------------------|---|--|--|--|---|
| | | | CGSB-79B CGSB-79B (12-14) 12.00 to 14.00 -5.58 to -7.58 12/22/2009 | CGSB-79B CGSBXX122209 12.00 to 14.00 -5.58 to -7.58 12/22/2009 | CGSB-95 CGSB-95 (49-50) 49.00 to 50.00 -41.41 to -42.41 2/12/2010 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | 0.063 U | 0.0054 U | NA |
| Endosulfan sulphate | | 24 | 0.25 J | 0.084 J | NA |
| Endrin | | 0.06 | 0.063 U | 0.0054 U | NA |
| Endrin aldehyde | | -- | 0.26 J | 0.039 J | NA |
| Endrin ketone | | -- | 0.063 U | 0.011 J | NA |
| Heptachlor | | 0.38 | 0.046 J | 0.0028 UJ | NA |
| Heptachlor epoxide | | -- | 0.032 U | 0.0028 U | NA |
| Methoxychlor | | -- | 1.4 J | 0.11 J | NA |
| Toxaphene | | -- | 1.6 U | 0.14 U | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | 0.033 U | 0.028 U | NA |
| T, 2,4,5- | | -- | 0.033 U | 0.028 U | NA |
| TP, 2,4,5- | | 3.8 | 0.033 U | 0.028 U | NA |
| Metals | | | | | |
| Arsenic | | 16 | 24.1 | 9.3 | 5.70 U |
| Barium | | 400 | 87.3 | 102 | 38.8 J |
| Cadmium | | 4.3 | 1.2 J | 2 U | 1.40 U |
| Chromium | | 19 | 42 J | 23.7 J | 8.70 |
| Lead | | 400 | 424 J | 153 J | 3.50 J |
| Mercury | | 0.73 | 1.6 J | 0.16 J | 0.0520 UJ |
| Selenium | | 4 | 17.4 UJ | 15.2 UJ | 10.2 UJ |
| Silver | | 8.3 | 0.29 J | 2 U | 1.40 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | NA | NA | 0.55 UJ |
| Cyanide, Free | | -- | 0.154 J | 0.331 U | 0.21 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|---|--|-------------------------------------|------------------|------------------|
| | | | CGSB-96 | CGSB-97 | CGSB-98 |
| | | | CGSB-96 (45-50) | CGSB-97 (35-36) | CGSB-98 (34-35) |
| | | | 45.00 to 50.00 | 35.00 to 36.00 | 34.00 to 35.00 |
| | | | -38.03 to -43.03 | -23.01 to -24.01 | -26.59 to -27.59 |
| | | | 2/16/2010 | 2/18/2010 | 2/17/2010 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.027 UJB | 0.027 UJB | 0.025 UJB |
| Benzene | | 0.06 | 0.0067 U | 0.0070 | 0.0062 U |
| Bromodichloromethane | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Bromoform | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Bromomethane | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Butanone, 2- | | 0.12 | 0.013 U | 0.013 U | 0.012 U |
| Carbon disulfide | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Carbon tetrachloride | | 0.76 | 0.0067 U | 0.0067 U | 0.0062 U |
| Chlorobenzene | | 1.1 | 0.0067 U | 0.0067 U | 0.0062 U |
| Chloroethane | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Chloroform | | 0.37 | 0.0067 U | 0.0067 U | 0.0062 U |
| Chloromethane | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Dibromochloromethane | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloroethane, 1,1- | | 0.27 | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloroethane, 1,2- | | 0.02 | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloroethene, 1,1- | | 0.33 | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloropropane, 1,2- | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloropropene, cis-1,3- | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Dichloropropene, trans-1,3- | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Ethylbenzene | | 1 | 0.0067 U | 0.0067 U | 0.0062 U |
| Hexanone, 2- | | -- | 0.013 U | 0.013 U | 0.012 U |
| Methyl-2-pentanone, 4- | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Methylene chloride | | 0.05 | 0.027 UJB | 0.027 UJB | 0.025 UJB |
| Styrene | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Tetrachloroethene | | 1.3 | 0.0067 U | 0.0067 U | 0.0062 U |
| Toluene | | 0.7 | 0.0067 U | 0.0067 UJB | 0.0062 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.0067 U | 0.0067 U | 0.0062 U |
| Trichloroethane, 1,1,2- | | -- | 0.0067 U | 0.0067 U | 0.0062 U |
| Trichloroethene | | 0.47 | 0.0067 U | 0.0067 U | 0.0062 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.0067 U | 0.0067 U | 0.0062 U |
| Xylenes, Total | | 1.6 | 0.0067 U | 0.0067 U | 0.0062 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.36 U | 0.35 U | 0.32 U |
| Acenaphthylene | | 100 | 0.36 U | 0.35 U | 0.32 U |
| Anthracene | | 100 | 0.36 U | 0.35 U | 0.32 U |
| Benzo(a)anthracene | | 1 | 0.36 U | 0.35 U | 0.32 U |
| Benzo(a)pyrene | | 1 | 0.36 U | 0.35 U | 0.32 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|-----------------------------|--|-------------------------------------|------------------|-----------------|
| | Location ID: | | CGSB-96 | CGSB-97 | CGSB-98 |
| | Sample ID: | | CGSB-96 (45-50) | CGSB-97 (35-36) | CGSB-98 (34-35) |
| | Sample Interval (feet bgs): | | 45.00 to 50.00 | 35.00 to 36.00 | 34.00 to 35.00 |
| Sample Interval (feet NAVD88): | | -38.03 to -43.03 | -23.01 to -24.01 | -26.59 to -27.59 | |
| Sample Date: | | 2/16/2010 | 2/18/2010 | 2/17/2010 | |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.36 U | 0.35 U | 0.32 U |
| Benzo(g,h,i)perylene | | 100 | 0.36 U | 0.35 U | 0.32 U |
| Benzo(k)fluoranthene | | 1.7 | 0.36 U | 0.35 U | 0.32 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.36 U | 0.35 U | 0.32 U |
| Bis(2-chloroethoxy)methane | | -- | 0.36 U | 0.35 U | 0.32 U |
| Bis(2-chloroethyl)ether | | -- | 0.36 U | 0.35 U | 0.32 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.22 J | 0.046 J | 0.052 J |
| Bromophenyl phenyl ether, 4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Butyl benzyl phthalate | | -- | 0.36 U | 0.35 U | 0.32 U |
| Carbazole | | -- | 0.36 U | 0.35 U | 0.32 U |
| Chloro-3-methylphenol, 4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Chloroaniline, 4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Chloronaphthalene, 2- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Chlorophenol, 2- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Chrysene | | 1 | 0.36 U | 0.35 U | 0.32 U |
| Dibenzo(a,h)anthracene | | 0.33 | 0.36 U | 0.35 U | 0.32 U |
| Dibenzofuran | | 59 | 0.36 U | 0.35 U | 0.32 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.36 U | 0.35 U | 0.32 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.36 U | 0.35 U | 0.32 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.36 U | 0.35 U | 0.32 U |
| Dichlorobenzidine, 3,3- | | -- | 0.44 U | 0.43 U | 0.39 U |
| Dichlorophenol, 2,4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Diethyl phthalate | | -- | 0.36 U | 0.35 U | 0.32 U |
| Dimethylphenol, 2,4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Dimethyl phthalate | | -- | 0.36 U | 0.35 U | 0.32 U |
| Di-n-butyl phthalate | | -- | 0.36 U | 0.35 U | 0.32 U |
| Di-n-octyl phthalate | | -- | 0.36 U | 0.35 U | 0.32 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 2.3 UJ | 2.2 U | 2.0 U |
| Dinitrophenol, 2,4- | | -- | 2.3 UJ | 2.2 U | 2.0 U |
| Dinitrotoluene, 2,4- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Dinitrotoluene, 2,6- | | -- | 0.36 U | 0.35 U | 0.32 U |
| Fluoranthene | | 100 | 0.025 J | 0.35 U | 0.32 U |
| Fluorene | | 100 | 0.36 U | 0.35 U | 0.32 U |
| Hexachlorobenzene | | 1.2 | 0.36 U | 0.35 U | 0.32 U |
| Hexachlorobutadiene | | -- | 0.36 U | 0.35 U | 0.32 U |
| Hexachlorocyclopentadiene | | -- | 0.89 UJ | 0.87 U | 0.79 U |
| Hexachloroethane | | -- | 0.36 U | 0.35 U | 0.32 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.36 U | 0.35 U | 0.32 U |
| Isophorone | | -- | 0.36 U | 0.35 U | 0.32 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|---|---|
| | | CGSB-96 CGSB-96 (45-50) 45.00 to 50.00 -38.03 to -43.03 2/16/2010 | CGSB-97 CGSB-97 (35-36) 35.00 to 36.00 -23.01 to -24.01 2/18/2010 | CGSB-98 CGSB-98 (34-35) 34.00 to 35.00 -26.59 to -27.59 2/17/2010 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.36 U | 0.35 U | 0.32 U |
| Methylphenol, 2- | 0.33 | 0.36 U | 0.35 U | 0.32 U |
| Methylphenol, 4- | 0.33 | 0.36 U | 0.35 U | 0.32 U |
| Naphthalene | 12 | 0.36 U | 0.35 U | 0.32 U |
| Nitroaniline, 2- | -- | 0.89 U | 0.87 U | 0.79 U |
| Nitroaniline, 3- | -- | 0.89 U | 0.87 U | 0.79 U |
| Nitroaniline, 4- | -- | 0.36 U | 0.35 U | 0.32 U |
| Nitrobenzene | -- | 0.36 U | 0.35 U | 0.32 U |
| Nitrophenol, 2- | -- | 0.36 U | 0.35 U | 0.32 U |
| Nitrophenol, 4- | -- | 2.3 U | 2.2 U | 2.0 U |
| N-Nitrosodi-n-propylamine | -- | 0.36 U | 0.35 U | 0.32 U |
| N-Nitrosodiphenylamine | -- | 0.36 U | 0.35 U | 0.32 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.36 U | 0.35 U | 0.32 U |
| Pentachlorophenol | 0.8 | 0.89 U | 0.87 U | 0.79 U |
| Phenanthrene | 100 | 0.050 J | 0.35 U | 0.32 U |
| Phenol | 0.33 | 0.36 U | 0.35 U | 0.32 U |
| Pyrene | 100 | 0.041 J | 0.35 U | 0.32 U |
| Trichlorobenzene, 1,2,4- | -- | 0.36 U | 0.35 U | 0.32 U |
| Trichlorophenol, 2,4,5- | -- | 2.3 U | 2.2 U | 2.0 U |
| Trichlorophenol, 2,4,6- | -- | 0.36 U | 0.35 U | 0.32 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|-------------------------------|---|--|---|---|---|
| | | | CGSB-96 CGSB-96 (45-50) 45.00 to 50.00 -38.03 to -43.03 2/16/2010 | CGSB-97 CGSB-97 (35-36) 35.00 to 36.00 -23.01 to -24.01 2/18/2010 | CGSB-98 CGSB-98 (34-35) 34.00 to 35.00 -26.59 to -27.59 2/17/2010 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 6.90 U | 5.40 J | 6.40 U |
| Barium | | 400 | 33.6 J | 42.3 J | 38.8 J |
| Cadmium | | 4.3 | 1.60 U | 1.60 U | 1.50 U |
| Chromium | | 19 | 9.30 | 10.0 | 8.00 |
| Lead | | 400 | 3.70 J | 2.70 J | 1.30 J |
| Mercury | | 0.73 | 0.0630 UJ | 0.0660 U | 0.0600 U |
| Selenium | | 4 | 12.3 UJ | 12.3 UJ | 11.5 UJ |
| Silver | | 8.3 | 1.60 U | 1.60 U | 1.50 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.67 UJ | 0.67 UJ | 0.62 UJ |
| Cyanide, Free | | -- | 0.27 U | 0.26 U | 0.24 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-98 CGSB-XX_02172010 34.00 to 35.00 -26.59 to -27.59 2/17/2010 | CGSB-143 CGSB-143 (33-34) 33.00 to 34.00 -30.94 to -31.94 5/11/2013 | CGSB-143 CGSB-143 (48.5-50) 48.50 to 50.00 -46.44 to -47.94 5/11/2013 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.025 UJ | 28 UJ | 0.0077 U |
| Benzene | 0.06 | 0.0062 U | 7.8 J | 0.20 |
| Bromodichloromethane | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Bromoform | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Bromomethane | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Butanone, 2- | 0.12 | 0.012 UJ | 28 UJ | 0.0077 U |
| Carbon disulfide | -- | 0.0062 U | 5.5 UJ | 0.0029 J |
| Carbon tetrachloride | 0.76 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Chlorobenzene | 1.1 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Chloroethane | -- | 0.0062 UJ | 5.5 UJ | 0.00077 U |
| Chloroform | 0.37 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Chloromethane | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dibromochloromethane | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloroethane, 1,1- | 0.27 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloroethane, 1,2- | 0.02 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloroethene, 1,1- | 0.33 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloroethene, cis-1,2- | 0.25 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloroethene, trans-1,2- | 0.19 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloropropane, 1,2- | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloropropene, cis-1,3- | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Dichloropropene, trans-1,3- | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Ethylbenzene | 1 | 0.0062 U | 100 J | 1.5 J |
| Hexanone, 2- | -- | 0.012 U | 28 UJ | 0.0077 U |
| Methyl-2-pentanone, 4- | -- | 0.0062 U | 28 UJ | 0.0077 U |
| Methylene chloride | 0.05 | 0.025 UJB | 5.5 UJ | 0.00077 UJ |
| Styrene | -- | 0.0062 U | 3.6 J | 0.018 |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Tetrachloroethene | 1.3 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Toluene | 0.7 | 0.0062 U | 41 J | 0.50 J |
| Trichloroethane, 1,1,1- | 0.68 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Trichloroethane, 1,1,2- | -- | 0.0062 U | 5.5 UJ | 0.00077 U |
| Trichloroethene | 0.47 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0062 U | 5.5 UJ | 0.00077 U |
| Xylenes, Total | 1.6 | 0.0062 U | 130 J | 1.7 J |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.32 U | 200 | 0.14 J |
| Acenaphthylene | 100 | 0.32 U | 330 | 0.19 J |
| Anthracene | 100 | 0.32 U | 270 | 0.73 |
| Benzo(a)anthracene | 1 | 0.32 U | 140 | 0.64 |
| Benzo(a)pyrene | 1 | 0.32 U | 110 | 0.46 |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|-----------------------------|--|-------------------------------------|------------------|--------------------|
| | Location ID: | | CGSB-98 | CGSB-143 | CGSB-143 |
| | Sample ID: | | CGSB-XX_02172010 | CGSB-143 (33-34) | CGSB-143 (48.5-50) |
| | Sample Interval (feet bgs): | | 34.00 to 35.00 | 33.00 to 34.00 | 48.50 to 50.00 |
| Sample Interval (feet NAVD88): | | -26.59 to -27.59 | -30.94 to -31.94 | -46.44 to -47.94 | |
| Sample Date: | | 2/17/2010 | 5/11/2013 | 5/11/2013 | |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.32 U | 76 | 0.30 |
| Benzo(g,h,i)perylene | | 100 | 0.32 U | 43 J | 0.18 J |
| Benzo(k)fluoranthene | | 1.7 | 0.32 U | 26 | 0.14 |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | 0.32 U | NA | NA |
| Bis(2-chloroethoxy)methane | | -- | 0.32 U | 45 U | 0.39 U |
| Bis(2-chloroethyl)ether | | -- | 0.32 U | 4.5 U | 0.039 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.037 J | 45 U | 0.39 U |
| Bromophenyl phenyl ether, 4- | | -- | 0.32 U | 45 U | 0.39 U |
| Butyl benzyl phthalate | | -- | 0.32 U | 45 U | 0.39 U |
| Carbazole | | -- | 0.32 U | 7.3 J | 0.39 U |
| Chloro-3-methylphenol, 4- | | -- | 0.32 U | 45 U | 0.39 U |
| Chloroaniline, 4- | | -- | 0.32 U | 45 U | 0.39 U |
| Chloronaphthalene, 2- | | -- | 0.32 U | 45 U | 0.39 U |
| Chlorophenol, 2- | | -- | 0.32 U | 45 U | 0.39 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.32 U | 45 U | 0.39 U |
| Chrysene | | 1 | 0.32 U | 150 | 0.59 |
| Dibenzo(a,h)anthracene | | 0.33 | 0.32 U | 10 | 0.047 |
| Dibenzofuran | | 59 | 0.32 U | 23 J | 0.39 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.32 U | 45 U | 0.39 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.32 U | 45 U | 0.39 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.32 U | 45 U | 0.39 U |
| Dichlorobenzidine, 3,3- | | -- | 0.39 U | 91 U | 0.80 U |
| Dichlorophenol, 2,4- | | -- | 0.32 U | 45 U | 0.39 U |
| Diethyl phthalate | | -- | 0.32 U | 45 U | 0.39 U |
| Dimethylphenol, 2,4- | | -- | 0.32 U | 45 U | 0.39 U |
| Dimethyl phthalate | | -- | 0.32 U | 45 U | 0.39 U |
| Di-n-butyl phthalate | | -- | 0.32 U | 45 U | 0.39 U |
| Di-n-octyl phthalate | | -- | 0.32 U | 45 U | 0.39 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 2.0 U | 140 U | 1.2 U |
| Dinitrophenol, 2,4- | | -- | 2.0 U | 140 U | 1.2 UJ |
| Dinitrotoluene, 2,4- | | -- | 0.32 U | 9.1 U | 0.080 U |
| Dinitrotoluene, 2,6- | | -- | 0.32 U | 9.1 U | 0.080 U |
| Fluoranthene | | 100 | 0.32 U | 260 | 1.2 |
| Fluorene | | 100 | 0.32 U | 300 | 0.39 |
| Hexachlorobenzene | | 1.2 | 0.32 U | 4.5 U | 0.039 U |
| Hexachlorobutadiene | | -- | 0.32 U | 9.1 U | 0.080 U |
| Hexachlorocyclopentadiene | | -- | 0.80 U | 45 U | 0.39 UJ |
| Hexachloroethane | | -- | 0.32 U | 4.5 U | 0.039 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.32 U | 42 | 0.19 |
| Isophorone | | -- | 0.32 U | 45 U | 0.39 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-98 CGSB-XX_02172010 34.00 to 35.00 -26.59 to -27.59 2/17/2010 | CGSB-143 CGSB-143 (33-34) 33.00 to 34.00 -30.94 to -31.94 5/11/2013 | CGSB-143 CGSB-143 (48.5-50) 48.50 to 50.00 -46.44 to -47.94 5/11/2013 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.32 U | 790 | 0.11 J |
| Methylphenol, 2- | 0.33 | 0.32 U | 45 U | 0.39 U |
| Methylphenol, 4- | 0.33 | 0.32 U | 45 U | 0.39 U |
| Naphthalene | 12 | 0.32 U | 600 | 0.091 J |
| Nitroaniline, 2- | -- | 0.80 U | 91 U | 0.80 U |
| Nitroaniline, 3- | -- | 0.80 U | 91 U | 0.80 U |
| Nitroaniline, 4- | -- | 0.32 U | 91 U | 0.80 UJ |
| Nitrobenzene | -- | 0.32 U | 4.5 U | 0.039 U |
| Nitrophenol, 2- | -- | 0.32 U | 45 U | 0.39 U |
| Nitrophenol, 4- | -- | 2.0 U | 140 U | 1.2 UJ |
| N-Nitrosodi-n-propylamine | -- | 0.32 U | 4.5 U | 0.039 U |
| N-Nitrosodiphenylamine | -- | 0.32 U | 45 U | 0.39 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.32 U | 45 U | 0.39 U |
| Pentachlorophenol | 0.8 | 0.80 U | 140 U | 1.2 U |
| Phenanthrene | 100 | 0.32 U | 1,000 | 2.6 J |
| Phenol | 0.33 | 0.32 U | 45 U | 0.39 U |
| Pyrene | 100 | 0.32 U | 350 | 1.2 J |
| Trichlorobenzene, 1,2,4- | -- | 0.32 U | 4.5 U | 0.039 U |
| Trichlorophenol, 2,4,5- | -- | 2.0 U | 45 U | 0.39 U |
| Trichlorophenol, 2,4,6- | -- | 0.32 U | 45 U | 0.39 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|-------------------------------|---|--|--|---|---|
| | | | CGSB-98 CGSB-XX_02172010 34.00 to 35.00 -26.59 to -27.59 2/17/2010 | CGSB-143 CGSB-143 (33-34) 33.00 to 34.00 -30.94 to -31.94 5/11/2013 | CGSB-143 CGSB-143 (48.5-50) 48.50 to 50.00 -46.44 to -47.94 5/11/2013 |
| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 6.40 U | 2.90 | 1.60 J |
| Barium | | 400 | 37.6 J | 41.6 J | 26.2 J |
| Cadmium | | 4.3 | 1.50 U | 1.40 U | 1.10 U |
| Chromium | | 19 | 7.60 | 6.60 | 7.30 |
| Lead | | 400 | 2.10 J | 3.70 | 2.80 |
| Mercury | | 0.73 | 0.0600 U | 0.0220 U | 0.0200 U |
| Selenium | | 4 | 11.5 UJ | 2.70 U | 2.30 U |
| Silver | | 8.3 | 1.50 U | 2.70 U | 2.30 U |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.62 UJ | 0.14 UJ | 0.12 UJ |
| Cyanide, Free | | -- | 0.25 U | 2.8 U | 2.5 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---------------------------------------|---|--|-------------------------------------|-----------------|------------------|
| | | | CGSB-145 | CGSB-146 | CGSB-146 |
| | | | CGSB-145 (67-70) | CGSB-146 (9-10) | CGSB-146 (40-45) |
| | | | 67.00 to 70.00 | 9.00 to 10.00 | 40.00 to 45.00 |
| | | | -52.14 to -55.14 | 2.53 to 1.53 | -28.47 to -33.47 |
| | | | 11/20/2012 | 11/7/2012 | 11/7/2012 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 0.05 | 0.0050 UJB | R | 0.0038 J |
| Benzene | | 0.06 | 0.00050 U | 0.81 | 0.00055 U |
| Bromodichloromethane | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Bromoform | | -- | 0.00050 U | 0.055 U | 0.00055 UJ |
| Bromomethane | | -- | 0.00050 UJ | 0.055 U | 0.00055 UJ |
| Butanone, 2- | | 0.12 | R | 0.27 U | R |
| Carbon disulfide | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Carbon tetrachloride | | 0.76 | 0.00050 U | 0.055 U | 0.00055 U |
| Chlorobenzene | | 1.1 | 0.00050 U | 0.055 U | 0.00055 U |
| Chloroethane | | -- | 0.00050 U | 0.055 U | 0.00055 UJ |
| Chloroform | | 0.37 | 0.00050 U | 0.055 U | 0.00055 U |
| Chloromethane | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Dibromochloromethane | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloroethane, 1,1- | | 0.27 | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloroethane, 1,2- | | 0.02 | 0.00050 U | 0.055 U | 0.0011 |
| Dichloroethene, 1,1- | | 0.33 | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloroethene, cis-1,2- | | 0.25 | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloroethene, trans-1,2- | | 0.19 | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloropropane, 1,2- | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloropropene, cis-1,3- | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Dichloropropene, trans-1,3- | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Ethylbenzene | | 1 | 0.00050 U | 15 | 0.00055 U |
| Hexanone, 2- | | -- | 0.0050 U | 0.27 U | 0.0055 UJ |
| Methyl-2-pentanone, 4- | | -- | 0.0050 U | 0.27 U | 0.0055 U |
| Methylene chloride | | 0.05 | 0.00061 UJB | 0.055 U | 0.00055 UJB |
| Styrene | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Tetrachloroethane, 1,1,2,2- | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Tetrachloroethene | | 1.3 | 0.00050 U | 0.055 U | 0.00055 U |
| Toluene | | 0.7 | 0.00013 J | 0.075 | 0.00055 U |
| Trichloroethane, 1,1,1- | | 0.68 | 0.00050 U | 0.055 U | 0.00055 U |
| Trichloroethane, 1,1,2- | | -- | 0.00050 U | 0.055 U | 0.00055 U |
| Trichloroethene | | 0.47 | 0.00050 U | 0.055 U | 0.00055 U |
| Vinyl acetate | | -- | NA | NA | NA |
| Vinyl chloride | | 0.02 | 0.00050 U | 0.055 U | 0.00055 U |
| Xylenes, Total | | 1.6 | 0.0015 U | 9.2 | 0.0017 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | | 98 | 0.38 U | 0.39 U | 0.39 U |
| Acenaphthylene | | 100 | 0.38 U | 0.39 U | 0.39 U |
| Anthracene | | 100 | 0.38 U | 0.10 J | 0.39 U |
| Benzo(a)anthracene | | 1 | 0.038 U | 0.15 | 0.039 U |
| Benzo(a)pyrene | | 1 | 0.038 U | 0.065 | 0.039 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Sample Date: | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|---|---|--|-------------------------------------|-----------------|------------------|
| | | | CGSB-145 | CGSB-146 | CGSB-146 |
| | | | CGSB-145 (67-70) | CGSB-146 (9-10) | CGSB-146 (40-45) |
| | | | 67.00 to 70.00 | 9.00 to 10.00 | 40.00 to 45.00 |
| | | | -52.14 to -55.14 | 2.53 to 1.53 | -28.47 to -33.47 |
| | | | 11/20/2012 | 11/7/2012 | 11/7/2012 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Benzo(b)fluoranthene | | 1 | 0.038 U | 0.085 | 0.039 U |
| Benzo(g,h,i)perylene | | 100 | 0.38 U | 0.39 U | 0.39 U |
| Benzo(k)fluoranthene | | 1.7 | 0.038 U | 0.042 | 0.039 U |
| Benzoic acid | | -- | NA | NA | NA |
| Benzyl alcohol | | -- | NA | NA | NA |
| Bis(2-chloroethoxy)methane | | -- | 0.38 U | 0.39 U | 0.39 U |
| Bis(2-chloroethyl)ether | | -- | 0.038 U | 0.039 U | 0.039 U |
| Bis(2-ethylhexyl)phthalate | | -- | 0.38 U | 0.39 U | 0.39 U |
| Bromophenyl phenyl ether, 4- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Butyl benzyl phthalate | | -- | 0.38 U | 0.39 U | 0.39 U |
| Carbazole | | -- | 0.38 U | 0.39 U | 0.39 U |
| Chloro-3-methylphenol, 4- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Chloroaniline, 4- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Chloronaphthalene, 2- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Chlorophenol, 2- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Chlorophenyl phenyl ether, 4- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Chrysene | | 1 | 0.38 U | 0.13 J | 0.39 U |
| Dibenzo(a,h)anthracene | | 0.33 | 0.038 U | 0.039 U | 0.039 U |
| Dibenzofuran | | 59 | 0.38 U | 0.066 J | 0.39 U |
| Dichlorobenzene, 1,2- | | 1.1 | 0.38 U | 0.39 U | 0.39 U |
| Dichlorobenzene, 1,3- | | 2.4 | 0.38 U | 0.39 U | 0.39 U |
| Dichlorobenzene, 1,4- | | 1.8 | 0.38 U | 0.39 U | 0.39 U |
| Dichlorobenzidine, 3,3- | | -- | 0.76 U | 0.80 U | 0.79 U |
| Dichlorophenol, 2,4- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Diethyl phthalate | | -- | 0.38 U | 0.39 U | 0.39 U |
| Dimethylphenol, 2,4- | | -- | 0.38 U | 0.39 U | 0.39 U |
| Dimethyl phthalate | | -- | 0.38 U | 0.39 U | 0.39 U |
| Di-n-butyl phthalate | | -- | 0.38 U | 0.39 U | 0.39 U |
| Di-n-octyl phthalate | | -- | 0.38 U | 0.39 U | 0.39 U |
| Dinitro-2-methylphenol, 4,6- | | -- | 1.1 U | 1.2 U | 1.2 U |
| Dinitrophenol, 2,4- | | -- | 1.1 U | 1.2 UJ | R |
| Dinitrotoluene, 2,4- | | -- | 0.076 U | 0.080 U | 0.079 U |
| Dinitrotoluene, 2,6- | | -- | 0.076 U | 0.080 U | 0.079 U |
| Fluoranthene | | 100 | 0.38 U | 0.35 J | 0.39 U |
| Fluorene | | 100 | 0.38 U | 0.14 J | 0.39 U |
| Hexachlorobenzene | | 1.2 | 0.038 U | 0.039 U | 0.039 U |
| Hexachlorobutadiene | | -- | 0.076 U | 0.080 U | 0.079 U |
| Hexachlorocyclopentadiene | | -- | 0.38 U | 0.39 U | 0.39 U |
| Hexachloroethane | | -- | 0.038 U | 0.039 U | 0.039 U |
| Indeno(1,2,3-cd)pyrene | | 0.5 | 0.038 U | 0.039 U | 0.039 U |
| Isophorone | | -- | 0.38 U | 0.39 U | 0.39 U |

Table 6
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGSB-145 CGSB-145 (67-70) 67.00 to 70.00 -52.14 to -55.14 11/20/2012 | CGSB-146 CGSB-146 (9-10) 9.00 to 10.00 2.53 to 1.53 11/7/2012 | CGSB-146 CGSB-146 (40-45) 40.00 to 45.00 -28.47 to -33.47 11/7/2012 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.38 U | 0.56 | 0.39 U |
| Methylphenol, 2- | 0.33 | 0.38 U | 0.39 U | 0.39 U |
| Methylphenol, 4- | 0.33 | 0.38 U | 0.39 U | 0.39 U |
| Naphthalene | 12 | 0.38 U | 0.16 J | 0.39 U |
| Nitroaniline, 2- | -- | 0.76 U | 0.80 U | 0.79 U |
| Nitroaniline, 3- | -- | 0.76 U | 0.80 U | 0.79 U |
| Nitroaniline, 4- | -- | 0.76 U | 0.80 U | 0.79 U |
| Nitrobenzene | -- | 0.038 U | 0.039 U | 0.039 U |
| Nitrophenol, 2- | -- | 0.38 U | 0.39 U | 0.39 U |
| Nitrophenol, 4- | -- | 1.1 U | 1.2 UJ | 1.2 UJ |
| N-Nitrosodi-n-propylamine | -- | 0.038 UJ | 0.039 U | 0.039 U |
| N-Nitrosodiphenylamine | -- | 0.38 U | 0.39 U | 0.39 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.38 UJ | 0.39 U | 0.39 U |
| Pentachlorophenol | 0.8 | 1.1 U | 1.2 U | 1.2 U |
| Phenanthrene | 100 | 0.38 U | 0.35 J | 0.39 U |
| Phenol | 0.33 | 0.38 U | 0.39 U | 0.39 U |
| Pyrene | 100 | 0.38 U | 0.36 J | 0.39 U |
| Trichlorobenzene, 1,2,4- | -- | 0.038 U | 0.039 U | 0.039 U |
| Trichlorophenol, 2,4,5- | -- | 0.38 U | 0.39 U | 0.39 U |
| Trichlorophenol, 2,4,6- | -- | 0.38 U | 0.39 U | 0.39 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

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|-------------------------------|---|--|--|---|---|
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| Pesticides (continued) | | | | | |
| Endosulfan, beta- | | 24 | NA | NA | NA |
| Endosulfan sulphate | | 24 | NA | NA | NA |
| Endrin | | 0.06 | NA | NA | NA |
| Endrin aldehyde | | -- | NA | NA | NA |
| Endrin ketone | | -- | NA | NA | NA |
| Heptachlor | | 0.38 | NA | NA | NA |
| Heptachlor epoxide | | -- | NA | NA | NA |
| Methoxychlor | | -- | NA | NA | NA |
| Toxaphene | | -- | NA | NA | NA |
| Herbicides | | | | | |
| D, 2,4- | | -- | NA | NA | NA |
| T, 2,4,5- | | -- | NA | NA | NA |
| TP, 2,4,5- | | 3.8 | NA | NA | NA |
| Metals | | | | | |
| Arsenic | | 16 | 3.20 | 3.10 | 3.40 |
| Barium | | 400 | 6.20 J | 31.7 J | 16.0 J |
| Cadmium | | 4.3 | 0.270 J | 1.10 U | 1.10 U |
| Chromium | | 19 | 4.00 | 11.7 | 6.50 |
| Lead | | 400 | 1.50 J | 8.70 | 4.70 |
| Mercury | | 0.73 | 0.0380 U | 0.0370 U | 0.0390 U |
| Selenium | | 4 | 2.20 U | 2.10 U | 2.20 U |
| Silver | | 8.3 | 2.20 U | 2.10 U | 2.20 UJ |
| Cyanide | | | | | |
| Cyanide, Total | | 27 | 0.11 U | 0.12 U | 0.12 U |
| Cyanide, Free | | -- | 2.5 U | 2.5 U | 0.26 J |

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| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|--|
| | | CGSB-147 CGSB-147 (7-8) 7.00 to 8.00 0.80 to -0.20 11/8/2012 | CGSB-147 CGSB-147 (38-40) 38.00 to 40.00 -30.20 to -32.20 11/8/2012 | CGSB-147 DUP-CG01_11_08_12 38.00 to 40.00 -30.20 to -32.20 11/8/2012 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | R | R | 0.0045 J |
| Benzene | 0.06 | 0.0046 J | 0.033 U | 0.00051 U |
| Bromodichloromethane | -- | 0.031 U | 0.033 U | 0.00051 U |
| Bromoform | -- | 0.031 U | 0.033 U | 0.00051 UJ |
| Bromomethane | -- | 0.031 U | 0.033 U | 0.00051 U |
| Butanone, 2- | 0.12 | 0.16 U | 0.16 U | R |
| Carbon disulfide | -- | 0.031 U | 0.033 U | 0.00051 U |
| Carbon tetrachloride | 0.76 | 0.031 U | 0.033 U | 0.00051 U |
| Chlorobenzene | 1.1 | 0.031 U | 0.033 U | 0.00051 U |
| Chloroethane | -- | 0.031 U | 0.033 U | 0.00051 U |
| Chloroform | 0.37 | 0.031 U | 0.033 U | 0.00051 U |
| Chloromethane | -- | 0.031 U | 0.033 U | 0.00051 U |
| Dibromochloromethane | -- | 0.031 U | 0.033 U | 0.00051 U |
| Dichloroethane, 1,1- | 0.27 | 0.031 U | 0.033 U | 0.00051 U |
| Dichloroethane, 1,2- | 0.02 | 0.031 U | 0.033 U | 0.00042 J |
| Dichloroethene, 1,1- | 0.33 | 0.031 U | 0.033 U | 0.00051 U |
| Dichloroethene, cis-1,2- | 0.25 | 0.031 U | 0.0012 J | 0.0029 |
| Dichloroethene, trans-1,2- | 0.19 | 0.031 U | 0.033 U | 0.00051 U |
| Dichloropropane, 1,2- | -- | 0.031 U | 0.033 U | 0.00051 U |
| Dichloropropene, cis-1,3- | -- | 0.031 U | 0.033 U | 0.00051 U |
| Dichloropropene, trans-1,3- | -- | 0.031 U | 0.033 U | 0.00051 U |
| Ethylbenzene | 1 | 0.0058 J | 0.033 U | 0.00051 U |
| Hexanone, 2- | -- | 0.16 U | 0.16 U | 0.0051 U |
| Methyl-2-pentanone, 4- | -- | 0.16 U | 0.16 U | 0.0051 U |
| Methylene chloride | 0.05 | 0.031 U | 0.033 U | 0.00051 UJ |
| Styrene | -- | 0.031 U | 0.033 U | 0.00051 U |
| Tetrachloroethane, 1,1,2,2- | -- | 0.031 U | 0.033 U | 0.00051 U |
| Tetrachloroethene | 1.3 | 0.031 U | 0.033 U | 0.00084 J |
| Toluene | 0.7 | 0.031 U | 0.033 U | 0.00051 U |
| Trichloroethane, 1,1,1- | 0.68 | 0.031 U | 0.033 U | 0.00034 J |
| Trichloroethane, 1,1,2- | -- | 0.031 U | 0.033 U | 0.00051 U |
| Trichloroethene | 0.47 | 0.031 U | 0.033 U | 0.00051 U |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.031 U | 0.033 U | 0.00080 |
| Xylenes, Total | 1.6 | 0.052 J | 0.099 U | 0.0015 U |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.21 J | 0.40 U | 0.42 U |
| Acenaphthylene | 100 | 0.42 U | 0.40 U | 0.42 U |
| Anthracene | 100 | 0.40 J | 0.40 U | 0.42 U |
| Benzo(a)anthracene | 1 | 0.60 | 0.040 U | 0.042 U |
| Benzo(a)pyrene | 1 | 0.39 | 0.040 U | 0.042 U |

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| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|--|
| | | CGSB-147 CGSB-147 (7-8) 7.00 to 8.00 0.80 to -0.20 11/8/2012 | CGSB-147 CGSB-147 (38-40) 38.00 to 40.00 -30.20 to -32.20 11/8/2012 | CGSB-147 DUP-CG01_11_08_12 38.00 to 40.00 -30.20 to -32.20 11/8/2012 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.44 | 0.040 U | 0.042 U |
| Benzo(g,h,i)perylene | 100 | 0.37 J | 0.40 U | 0.42 U |
| Benzo(k)fluoranthene | 1.7 | 0.15 | 0.040 U | 0.042 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | NA | NA | NA |
| Bis(2-chloroethoxy)methane | -- | 0.42 U | 0.40 U | 0.42 U |
| Bis(2-chloroethyl)ether | -- | 0.042 U | 0.040 U | 0.042 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.42 U | 0.40 U | 0.42 U |
| Bromophenyl phenyl ether, 4- | -- | 0.42 U | 0.40 U | 0.42 U |
| Butyl benzyl phthalate | -- | 0.42 U | 0.40 U | 0.42 U |
| Carbazole | -- | 0.12 J | 0.40 U | 0.42 U |
| Chloro-3-methylphenol, 4- | -- | 0.42 U | 0.40 U | 0.42 U |
| Chloroaniline, 4- | -- | 0.42 U | 0.40 U | 0.42 U |
| Chloronaphthalene, 2- | -- | 0.42 U | 0.40 U | 0.42 U |
| Chlorophenol, 2- | -- | 0.42 U | 0.40 U | 0.42 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.42 U | 0.40 U | 0.42 U |
| Chrysene | 1 | 0.76 | 0.40 U | 0.42 U |
| Dibenzo(a,h)anthracene | 0.33 | 0.11 | 0.040 U | 0.042 U |
| Dibenzofuran | 59 | 0.35 J | 0.40 U | 0.42 U |
| Dichlorobenzene, 1,2- | 1.1 | 0.42 U | 0.40 U | 0.42 UJ |
| Dichlorobenzene, 1,3- | 2.4 | 0.42 U | 0.40 U | 0.42 UJ |
| Dichlorobenzene, 1,4- | 1.8 | 0.42 U | 0.40 U | 0.42 UJ |
| Dichlorobenzidine, 3,3- | -- | 0.86 U | 0.82 UJ | 0.86 UJ |
| Dichlorophenol, 2,4- | -- | 0.42 U | 0.40 U | 0.42 U |
| Diethyl phthalate | -- | 0.42 U | 0.40 U | 0.42 U |
| Dimethylphenol, 2,4- | -- | 0.42 U | 0.40 U | 0.42 U |
| Dimethyl phthalate | -- | 0.42 U | 0.40 U | 0.42 U |
| Di-n-butyl phthalate | -- | 0.42 U | 0.40 U | 0.42 U |
| Di-n-octyl phthalate | -- | 0.42 U | 0.40 U | 0.42 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.3 U | 1.2 U | R |
| Dinitrophenol, 2,4- | -- | 1.3 UJ | 1.2 U | R |
| Dinitrotoluene, 2,4- | -- | 0.086 U | 0.082 U | 0.086 U |
| Dinitrotoluene, 2,6- | -- | 0.086 U | 0.082 U | 0.086 U |
| Fluoranthene | 100 | 1.1 | 0.40 U | 0.42 U |
| Fluorene | 100 | 0.38 J | 0.40 U | 0.42 U |
| Hexachlorobenzene | 1.2 | 0.042 U | 0.040 U | 0.042 U |
| Hexachlorobutadiene | -- | 0.086 U | 0.082 U | 0.086 U |
| Hexachlorocyclopentadiene | -- | 0.42 U | 0.40 U | 0.42 UJ |
| Hexachloroethane | -- | 0.042 U | 0.040 U | 0.042 UJ |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.29 J | 0.040 U | 0.042 U |
| Isophorone | -- | 0.42 U | 0.40 U | 0.42 U |

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|--|--|--|---|--|
| | | CGSB-147 CGSB-147 (7-8) 7.00 to 8.00 0.80 to -0.20 11/8/2012 | CGSB-147 CGSB-147 (38-40) 38.00 to 40.00 -30.20 to -32.20 11/8/2012 | CGSB-147 DUP-CG01_11_08_12 38.00 to 40.00 -30.20 to -32.20 11/8/2012 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.23 J | 0.40 U | 0.42 U |
| Methylphenol, 2- | 0.33 | 0.42 U | 0.40 U | 0.42 U |
| Methylphenol, 4- | 0.33 | 0.42 U | 0.40 U | 0.42 U |
| Naphthalene | 12 | 0.16 J | 0.40 U | 0.42 U |
| Nitroaniline, 2- | -- | 0.86 U | 0.82 U | 0.86 U |
| Nitroaniline, 3- | -- | 0.86 U | 0.82 U | 0.86 U |
| Nitroaniline, 4- | -- | 0.86 U | 0.82 U | 0.86 U |
| Nitrobenzene | -- | 0.042 U | 0.040 U | 0.042 U |
| Nitrophenol, 2- | -- | 0.42 U | 0.40 U | 0.42 U |
| Nitrophenol, 4- | -- | 1.3 U | 1.2 U | 1.3 U |
| N-Nitrosodi-n-propylamine | -- | 0.042 U | 0.040 U | 0.042 U |
| N-Nitrosodiphenylamine | -- | 0.42 U | 0.40 U | 0.42 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.42 U | 0.40 U | 0.42 U |
| Pentachlorophenol | 0.8 | 1.3 U | 1.2 U | 1.3 U |
| Phenanthrene | 100 | 2.8 | 0.40 U | 0.42 U |
| Phenol | 0.33 | 0.42 U | 0.40 U | 0.42 U |
| Pyrene | 100 | 1.4 | 0.40 U | 0.42 U |
| Trichlorobenzene, 1,2,4- | -- | 0.042 U | 0.040 U | 0.042 U |
| Trichlorophenol, 2,4,5- | -- | 0.42 U | 0.40 U | 0.42 U |
| Trichlorophenol, 2,4,6- | -- | 0.42 U | 0.40 U | 0.42 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|--|---|--|
| | | CGSB-147 CGSB-147 (7-8) 7.00 to 8.00 0.80 to -0.20 11/8/2012 | CGSB-147 CGSB-147 (38-40) 38.00 to 40.00 -30.20 to -32.20 11/8/2012 | CGSB-147 DUP-CG01_11_08_12 38.00 to 40.00 -30.20 to -32.20 11/8/2012 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 3.80 | 3.70 | 3.40 |
| Barium | 400 | 82.8 | 15.9 J | 43.0 J |
| Cadmium | 4.3 | 1.30 U | 1.10 U | 1.20 U |
| Chromium | 19 | 27.5 | 6.10 | 7.00 |
| Lead | 400 | 74.0 | 2.30 | 3.10 |
| Mercury | 0.73 | 0.690 | 0.0390 U | 0.0410 U |
| Selenium | 4 | 2.60 U | 2.30 U | 2.40 U |
| Silver | 8.3 | 2.60 U | 2.30 U | 2.40 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.072 J | 0.12 U | 0.13 U |
| Cyanide, Free | -- | 0.14 J | 2.5 U | 2.8 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|--|---|
| | | CGSB-150 CGSB-150 (26-27) 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-150 CGSB-XXX_05_20_13 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-151 CGSB-151 (26-27) 26.00 to 27.00 -17.68 to -18.68 5/20/2013 |
| Volatile Organic Compounds | | | | |
| Acetone | 0.05 | 0.013 U | 0.010 U | 0.063 U |
| Benzene | 0.06 | 0.0013 U | 0.0010 U | 0.00088 U |
| Bromodichloromethane | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Bromoform | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Bromomethane | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Butanone, 2- | 0.12 | 0.013 U | 0.010 U | 0.012 |
| Carbon disulfide | -- | 0.0013 U | 0.0010 U | 0.00083 J |
| Carbon tetrachloride | 0.76 | 0.0013 U | 0.0010 U | 0.00088 U |
| Chlorobenzene | 1.1 | 0.0013 U | 0.0010 U | 0.00088 U |
| Chloroethane | -- | 0.0013 UJ | 0.0010 UJ | 0.00088 U |
| Chloroform | 0.37 | 0.0013 U | 0.0010 U | 0.00088 U |
| Chloromethane | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Dibromochloromethane | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloroethane, 1,1- | 0.27 | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloroethane, 1,2- | 0.02 | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloroethene, 1,1- | 0.33 | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloroethene, cis-1,2- | 0.25 | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloroethene, trans-1,2- | 0.19 | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloropropane, 1,2- | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloropropene, cis-1,3- | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Dichloropropene, trans-1,3- | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Ethylbenzene | 1 | 0.0013 U | 0.0010 U | 0.00088 U |
| Hexanone, 2- | -- | 0.013 U | 0.010 U | 0.0088 U |
| Methyl-2-pentanone, 4- | -- | 0.013 U | 0.010 U | 0.0088 U |
| Methylene chloride | 0.05 | 0.0013 U | 0.0010 U | 0.00088 U |
| Styrene | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Tetrachloroethane, 1,1,2,2- | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Tetrachloroethene | 1.3 | 0.0013 U | 0.0010 U | 0.00088 U |
| Toluene | 0.7 | 0.0013 U | 0.0010 U | 0.00088 U |
| Trichloroethane, 1,1,1- | 0.68 | 0.0013 U | 0.0010 U | 0.00088 U |
| Trichloroethane, 1,1,2- | -- | 0.0013 U | 0.0010 U | 0.00088 U |
| Trichloroethene | 0.47 | 0.0013 U | 0.0010 U | 0.00088 U |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 0.02 | 0.0013 U | 0.0010 U | 0.00088 U |
| Xylenes, Total | 1.6 | 0.0039 U | 0.003 U | 0.0026 U |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 98 | 0.43 U | 0.43 U | 0.42 U |
| Acenaphthylene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Anthracene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Benzo(a)anthracene | 1 | 0.043 U | 0.043 U | 0.042 U |
| Benzo(a)pyrene | 1 | 0.043 U | 0.043 U | 0.042 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|-------------------------------------|---|--|---|
| | | CGSB-150 CGSB-150 (26-27) 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-150 CGSB-XXX_05_20_13 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-151 CGSB-151 (26-27) 26.00 to 27.00 -17.68 to -18.68 5/20/2013 |
| Semivolatile Organic Compounds (continued) | | | | |
| Benzo(b)fluoranthene | 1 | 0.043 U | 0.043 U | 0.042 U |
| Benzo(g,h,i)perylene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Benzo(k)fluoranthene | 1.7 | 0.043 U | 0.043 U | 0.042 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | NA | NA | NA |
| Bis(2-chloroethoxy)methane | -- | 0.43 U | 0.43 U | 0.42 U |
| Bis(2-chloroethyl)ether | -- | 0.043 U | 0.043 U | 0.042 U |
| Bis(2-ethylhexyl)phthalate | -- | 0.43 U | 0.43 U | 0.42 U |
| Bromophenyl phenyl ether, 4- | -- | 0.43 U | 0.43 U | 0.42 U |
| Butyl benzyl phthalate | -- | 0.43 U | 0.43 U | 0.42 U |
| Carbazole | -- | 0.43 U | 0.43 U | 0.42 U |
| Chloro-3-methylphenol, 4- | -- | 0.43 U | 0.43 U | 0.42 U |
| Chloroaniline, 4- | -- | 0.43 U | 0.43 U | 0.42 U |
| Chloronaphthalene, 2- | -- | 0.43 U | 0.43 U | 0.42 U |
| Chlorophenol, 2- | -- | 0.43 U | 0.43 U | 0.42 U |
| Chlorophenyl phenyl ether, 4- | -- | 0.43 U | 0.43 U | 0.42 U |
| Chrysene | 1 | 0.43 U | 0.43 U | 0.42 U |
| Dibenzo(a,h)anthracene | 0.33 | 0.043 U | 0.043 U | 0.042 U |
| Dibenzofuran | 59 | 0.43 U | 0.43 U | 0.42 U |
| Dichlorobenzene, 1,2- | 1.1 | 0.43 U | 0.43 U | 0.42 U |
| Dichlorobenzene, 1,3- | 2.4 | 0.43 U | 0.43 U | 0.42 U |
| Dichlorobenzene, 1,4- | 1.8 | 0.43 U | 0.43 U | 0.42 U |
| Dichlorobenzidine, 3,3- | -- | 0.88 U | 0.87 U | 0.85 U |
| Dichlorophenol, 2,4- | -- | 0.43 U | 0.43 U | 0.42 U |
| Diethyl phthalate | -- | 0.43 U | 0.43 U | 0.42 U |
| Dimethylphenol, 2,4- | -- | 0.43 U | 0.43 U | 0.42 U |
| Dimethyl phthalate | -- | 0.43 U | 0.43 U | 0.42 U |
| Di-n-butyl phthalate | -- | 0.43 U | 0.43 U | 0.42 U |
| Di-n-octyl phthalate | -- | 0.43 U | 0.43 U | 0.42 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1.3 U | 1.3 U | 1.3 U |
| Dinitrophenol, 2,4- | -- | 1.3 U | 1.3 U | 1.3 UJ |
| Dinitrotoluene, 2,4- | -- | 0.088 U | 0.087 U | 0.085 U |
| Dinitrotoluene, 2,6- | -- | 0.088 U | 0.087 U | 0.085 U |
| Fluoranthene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Fluorene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Hexachlorobenzene | 1.2 | 0.043 U | 0.043 U | 0.042 U |
| Hexachlorobutadiene | -- | 0.088 U | 0.087 U | 0.085 U |
| Hexachlorocyclopentadiene | -- | 0.43 U | 0.43 U | 0.42 U |
| Hexachloroethane | -- | 0.043 U | 0.043 U | 0.042 U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.043 U | 0.043 U | 0.042 U |
| Isophorone | -- | 0.43 U | 0.43 U | 0.42 U |

Table 6
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NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|--|---|
| | | CGSB-150 CGSB-150 (26-27) 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-150 CGSB-XXX_05_20_13 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-151 CGSB-151 (26-27) 26.00 to 27.00 -17.68 to -18.68 5/20/2013 |
| Semivolatile Organic Compounds (continued) | | | | |
| Methylnaphthalene, 2- | -- | 0.43 U | 0.43 U | 0.42 U |
| Methylphenol, 2- | 0.33 | 0.43 U | 0.43 U | 0.42 U |
| Methylphenol, 4- | 0.33 | 0.43 U | 0.43 U | 0.42 U |
| Naphthalene | 12 | 0.43 U | 0.43 U | 0.42 U |
| Nitroaniline, 2- | -- | 0.88 U | 0.87 U | 0.85 U |
| Nitroaniline, 3- | -- | 0.88 U | 0.87 U | 0.85 U |
| Nitroaniline, 4- | -- | 0.88 U | 0.87 U | 0.85 U |
| Nitrobenzene | -- | 0.043 U | 0.043 U | 0.042 U |
| Nitrophenol, 2- | -- | 0.43 U | 0.43 U | 0.42 U |
| Nitrophenol, 4- | -- | 1.3 U | 1.3 U | 1.3 U |
| N-Nitrosodi-n-propylamine | -- | 0.043 U | 0.043 U | 0.042 U |
| N-Nitrosodiphenylamine | -- | 0.43 U | 0.43 U | 0.42 U |
| Oxybis(1-chloropropane), 2,2'- | -- | 0.43 U | 0.43 U | 0.42 U |
| Pentachlorophenol | 0.8 | 1.3 U | 1.3 U | 1.3 U |
| Phenanthrene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Phenol | 0.33 | 0.43 U | 0.43 U | 0.42 U |
| Pyrene | 100 | 0.43 U | 0.43 U | 0.42 U |
| Trichlorobenzene, 1,2,4- | -- | 0.043 U | 0.043 U | 0.042 U |
| Trichlorophenol, 2,4,5- | -- | 0.43 U | 0.43 U | 0.42 U |
| Trichlorophenol, 2,4,6- | -- | 0.43 U | 0.43 U | 0.42 U |
| Polychlorinated Biphenyls | | | | |
| Aroclor 1016 | 1 | NA | NA | NA |
| Aroclor 1221 | 1 | NA | NA | NA |
| Aroclor 1232 | 1 | NA | NA | NA |
| Aroclor 1242 | 1 | NA | NA | NA |
| Aroclor 1248 | 1 | NA | NA | NA |
| Aroclor 1254 | 1 | NA | NA | NA |
| Aroclor 1260 | 1 | NA | NA | NA |
| Pesticides | | | | |
| Aldrin | 0.097 | NA | NA | NA |
| BHC, alpha- | 0.02 | NA | NA | NA |
| BHC, beta- | 0.09 | NA | NA | NA |
| BHC, delta- | 0.25 | NA | NA | NA |
| BHC, gamma- | -- | NA | NA | NA |
| Chlordane, alpha- | 2.9 | NA | NA | NA |
| Chlordane, gamma- | -- | NA | NA | NA |
| DDD, 4,4'- | 13 | NA | NA | NA |
| DDE, 4,4'- | 8.9 | NA | NA | NA |
| DDT, 4,4'- | 7.9 | NA | NA | NA |
| Dieldrin | 0.1 | NA | NA | NA |
| Endosulfan, alpha- | 24 | NA | NA | NA |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Sample Interval (feet bgs): Sample Interval (feet NAVD88): Parameter | Soil Cleanup Objective ⁵ | Supplemental Remedial Investigation | | |
|--|--|---|--|---|
| | | CGSB-150 CGSB-150 (26-27) 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-150 CGSB-XXX_05_20_13 26.00 to 27.00 -14.72 to -15.72 5/20/2013 | CGSB-151 CGSB-151 (26-27) 26.00 to 27.00 -17.68 to -18.68 5/20/2013 |
| Pesticides (continued) | | | | |
| Endosulfan, beta- | 24 | NA | NA | NA |
| Endosulfan sulphate | 24 | NA | NA | NA |
| Endrin | 0.06 | NA | NA | NA |
| Endrin aldehyde | -- | NA | NA | NA |
| Endrin ketone | -- | NA | NA | NA |
| Heptachlor | 0.38 | NA | NA | NA |
| Heptachlor epoxide | -- | NA | NA | NA |
| Methoxychlor | -- | NA | NA | NA |
| Toxaphene | -- | NA | NA | NA |
| Herbicides | | | | |
| D, 2,4- | -- | NA | NA | NA |
| T, 2,4,5- | -- | NA | NA | NA |
| TP, 2,4,5- | 3.8 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 16 | 2.40 | 1.90 | 6.60 |
| Barium | 400 | 77.8 | 43.3 J | 72.8 |
| Cadmium | 4.3 | 1.30 U | 1.20 U | 1.10 U |
| Chromium | 19 | 12.2 | 11.3 | 15.2 |
| Lead | 400 | 7.80 | 6.50 | 7.70 |
| Mercury | 0.73 | 0.0220 U | 0.0210 U | 0.0180 U |
| Selenium | 4 | 2.50 U | 2.40 U | 2.20 U |
| Silver | 8.3 | 2.50 U | 2.40 U | 2.20 U |
| Cyanide | | | | |
| Cyanide, Total | 27 | 0.13 UJ | 0.13 UJ | 0.13 UJ |
| Cyanide, Free | -- | 2.8 U | 2.7 U | 2.6 U |

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Subsurface soil sample data summarized in this table for soil borings CGSB-26, CGSB-31 through CGSB-33, CGSB-39, CGSB-42 through CGSB-44, CGSB-48, CGSB-49, and CGSB-52 were originally presented in Table 11 of the *Final Remedial Investigation Report* (GEI 2005).
2. Subsurface soil sample data summarized in this table for soil borings CGSB-53 and CGSB-56 through CGSB-60 were originally presented in Table 1 of the *Supplemental Remedial Investigation (SRI) Interim Data Summary* (National Grid 2009).
3. Sample concentrations are presented in units of milligrams per kilogram (mg/kg).
4. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
5. Soil cleanup objectives (SCOs) reflect the lower of the restricted use SCOs for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of 6 NYCRR 375.
6. Bolded sample concentrations denote detected parameters.
7. Gray shading denotes sample concentrations that exceed the applicable SCOs.
8. --: No SCO is listed in Table 375-6.8(b) of 6 NYCRR 375 for this parameter.
9. bgs: below ground surface.
10. NA: not analyzed.

Data Qualifiers:

1. *: Laboratory duplicate analysis was outside control limits.
2. B: Parameter was also detected in the associated method blank.
3. H: Parameter was analyzed out of holding time.
4. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
5. R: Sample result has been rejected.
6. U: Parameter was not detected in the sample. The reported concentration is the RL.
7. UB: Parameter is considered non-detect at the listed value due to associated blank contamination.
8. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.

Table 7
Final Groundwater Field Parameter Measurements and Physical Observations at Time of Sampling
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Location ID | Sample Date | Flow Rate (mL/min) | Groundwater Depth (feet bmp) | Temperature (°C) | pH (SU) | Conductivity (uS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Oxidation-Reduction Potential (mV) | Odor | Color | Sheen |
|--|-------------|--------------------|------------------------------|------------------|---------|----------------------|-----------------|-------------------------|------------------------------------|-------------------------|-----------------|--------------|
| Remedial Investigation | | | | | | | | | | | | |
| CGMW-06S | 6/4/2003 | NR | 8.80 | 14.38 | 7.23 | 1,316.39 | 27.71 | 0.73 | -96.17 | Slight Petroleum Odor | Clear | None |
| | 4/15/2005 | 205.90 | 6.72 | 13.31 | 7.32 | 957.08 | 955.10 | NR* | -72.00 | Moderate Sewage Odor | Clear | None |
| CGMW-06D | 6/5/2003 | 876.00 | 9.78 | 15.43 | 7.51 | 28,118.93 | 0.07 | 22.04 | -128.84 | None | Clear | None |
| | 4/15/2005 | 1,544.40 | 8.12 | 14.85 | 6.80 | 26,740.05 | 46.30 | NR* | -50.00 | None | Gray, Silty | None |
| | 5/4/2005 | 399.60 | 8.52 | 15.41 | 7.01 | 27,010.00 | 34.38 | 0.01 | -102.00 | None | Slightly Cloudy | None |
| CGMW-11 | 4/13/2005 | 740.40 | 3.83 | 13.52 | 7.47 | 15,732.53 | 7.60 | NR* | -174.00 | Slight Naphthalene Odor | Clear | Spotty Sheen |
| CGMW-12 | 4/13/2005 | 343.20 | 5.51 | 11.86 | 6.89 | 1,547.00 | 589.30 | 1.54 | 2.00 | None | Clear | None |
| CGMW-16 CH2 | 5/5/2005 | NR | 5.65 | 17.64 | 7.12 | 13,903.07 | 207.20 | 0.72 | -112.00 | NR | NR | NR |
| CGMW-16 CH4 | 5/5/2005 | 50.00 | 4.47 | 20.19 | 8.70 | 10,692.41 | 13.00 | 2.02 | 18.00 | Trace Tar Odor | Clear | None |
| CGMW-16 CH6 | 5/5/2005 | 125.00 | 4.05 | 14.99 | 7.45 | 10,340.00 | 50.11 | 1.86 | -112.00 | None | Clear | None |
| CGMW-17 CH2 | 5/4/2005 | NR | 14.88 | 19.41 | 6.99 | 1,407.98 | 35.80 | 3.68 | -102.00 | NR | NR | NR |
| CGMW-17 CH4 | 5/4/2005 | NR | 19.70 | 15.46 | 7.46 | 4,489.66 | 415.20 | NR* | -105.00 | NR | NR | NR |
| CGMW-17 CH6 | 5/4/2005 | NR | 19.50 | 16.70 | 6.91 | 11,209.55 | 2,278.10 | NR* | -63.00 | NR | NR | NR |
| CGMW-18 CH2 | 5/5/2005 | 41.40 | 12.11 | 11.95 | 6.85 | 2,320.00 | 217.90 | 2.32 | -92.00 | Naphthalene Odor | Clear | None |
| CGMW-18 CH6 | 5/5/2005 | 480.00 | 11.82 | 14.11 | 7.33 | 1,992.35 | 15.10 | 1.31 | -130.00 | NR | NR | NR |
| CGMW-19 CH1 | 5/4/2005 | NR | 7.14 | 19.43 | 7.83 | 4,359.27 | 341.90 | 4.86 | -243.00 | Strong Sewage Odor | Clear | None |
| CGMW-19 CH4 | 5/4/2005 | 37.00 | 5.88 | 17.41 | 7.10 | 1,537.52 | 1,080.00 | 8.20 | -75.00 | None | Cloudy | None |
| CGMW-19 CH6 | 5/4/2005 | 41.40 | 5.08 | 15.98 | 7.16 | 1,266.83 | 64.30 | 8.88 | -87.00 | None | Clear | None |
| CGMW-22 CH1 | 5/5/2005 | NR | 5.10 | 16.34 | 6.62 | 10,847.39 | 4.10 | 9.02 | -104.00 | NR | NR | NR |
| CGMW-22 CH5 | 5/5/2005 | NR | 4.10 | 16.24 | 6.91 | 12,193.85 | 94.90 | 9.07 | -121.00 | NR | NR | NR |
| Supplemental Remedial Investigation | | | | | | | | | | | | |
| CGMW-23 | 6/10/2015 | 151.40 | NR | 19.29 | 6.20 | 3,362.00 | 30.10 | 2.89 | -6.80 | Slight Petroleum Odor | Light Yellow | Trace Sheen |
| CGMW-27 | 6/11/2015 | NR** | NR** | NR** | NR** | NR** | NR** | NR** | NR** | None | Clear | None |
| CGMW-29 | 6/11/2015 | 189.30 | 6.24 | 17.67 | 6.48 | 4,671.00 | 7.70 | 0.30 | -81.30 | None | Clear | None |
| CGMW-32 | 6/11/2015 | 283.90 | 4.22 | 18.92 | 6.43 | 3,547.00 | 10.10 | 0.36 | -75.80 | None | Clear | None |
| CGMW-40 | 7/28/2015 | 189.27 | 8.29 | 19.60 | 6.52 | 4,259.00 | 8.40 | 5.33 | -102.00 | Slight Sulfur Odor | Slightly Gray | None |
| CGMW-44 | 6/11/2015 | 208.20 | 14.00 | 16.61 | 6.37 | 5,222.00 | 15.00 | 0.93 | 60.00 | None | Clear | None |
| CGMW-46 | 6/11/2015 | 151.40 | 8.92 | 18.21 | 6.36 | 3,210.00 | 6.00 | 0.75 | 150.50 | None | Clear | None |
| CGMW-47 | 6/11/2015 | 246.10 | 5.96 | 18.72 | 5.99 | 3,996.00 | 46.50 | 0.71 | -18.40 | None | Slightly Orange | None |

Table 7
Final Groundwater Field Parameter Measurements and Physical Observations at Time of Sampling
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Final (stabilized) groundwater field parameter measurements and physical observations for monitoring wells CGMW-06S, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22 were presented in Table 6 of the *Final Remedial Investigation Report* (GEI 2005).
2. bmp: below measuring point.
3. °C: degrees Celsius.
4. mg/L: milligrams per liter.
5. mL/min: milliliters per minute.
6. mV: millivolts.
7. NR: not recorded.
8. NR*: not recorded due to instrumentation failure.
9. NR**: well ran dry during purging, preventing accurate parameters from being recorded. The groundwater sample was collected from the recharged water.
10. NTU: nephelometric turbidity units.
11. SU: Standard Units.
12. uS/cm: microSiemens per centimeter.

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|--|--|---|
| | | CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 6/4/2003 | CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 4/15/2005 | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 6/5/2003 | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 4/15/2005 |
| | | Sample Date: | | | |
| Volatile Organic Compounds | | | | | |
| Acetone | 50 | 14 J | 190 J | R | NA |
| Benzene | 1 | 250 | 860 | 6.0 | NA |
| Bromochloromethane | 5 | NA | NA | NA | NA |
| Bromodichloromethane | 50 | 25 U | 50 U | 0.80 J | NA |
| Bromoform | 50 | 25 UJ | 50 U | 5.0 UJ | NA |
| Bromomethane | 5 | 25 UJ | 50 U | 5.0 UJ | NA |
| Butanone, 2- | 50 | 50 UJ | 100 U | 10 UJ | NA |
| Carbon disulfide | -- | 25 U | 50 U | 5.0 U | NA |
| Carbon tetrachloride | 5 | 25 U | 50 U | 5.0 U | NA |
| Chlorobenzene | 5 | 25 U | 50 U | 5.0 U | NA |
| Chloroethane | 5 | 25 U | 50 U | 5.0 U | NA |
| Chloroform | 7 | 25 U | 50 U | 22 | NA |
| Chloromethane | 5 | 25 U | 50 U | 5.0 U | NA |
| Cyclohexane | -- | NA | NA | NA | NA |
| Dibromochloromethane | 50 | 25 U | 50 U | 5.0 U | NA |
| Dibromo-3-chloropropane, 1,2- | 5 | NA | NA | NA | NA |
| Dibromoethane, 1,2- | 5 | NA | NA | NA | NA |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | NA | NA | NA | NA |
| Dichloroethane, 1,1- | 5 | 25 U | 50 U | 5.0 U | NA |
| Dichloroethane, 1,2- | 0.6 | 25 U | 50 U | 5.0 U | NA |
| Dichloroethene, 1,1- | 5 | 25 U | 50 U | 5.0 U | NA |
| Dichloroethene, cis-1,2- | 5 | 25 U | 50 U | 5.0 U | NA |
| Dichloroethene, trans-1,2- | 5 | 25 U | 50 U | 5.0 U | NA |
| Dichloropropane, 1,2- | 1 | 25 U | 50 U | 5.0 U | NA |
| Dichloropropene, cis-1,3- | 0.4 | 25 UJ | 50 U | 5.0 UJ | NA |
| Dichloropropene, trans-1,3- | 0.4 | 25 UJ | 50 U | 5.0 UJ | NA |
| Dioxane, 1,4- | -- | NA | NA | NA | NA |
| Ethylbenzene | 5 | 700 | 120 | 1.0 J | NA |
| Hexanone, 2- | 50 | 50 UJ | 100 U | 10 UJ | NA |
| Isopropylbenzene | 5 | NA | NA | NA | NA |
| Methyl acetate | -- | NA | NA | NA | NA |
| Methyl-2-pentanone, 4- | -- | 50 UJ | 100 U | 10 UJ | NA |
| Methyl tert-butyl ether | -- | NA | NA | NA | NA |
| Methylcyclohexane | -- | NA | NA | NA | NA |
| Methylene chloride | 5 | 25 U | 50 UB | 5.0 U | NA |
| Styrene | 5 | 25 U | 50 U | 0.50 J | NA |
| Tetrachloroethane, 1,1,1,2- | 5 | 25 U | 50 U | 5.0 U | NA |
| Tetrachloroethene | 5 | 25 U | 50 U | 5.0 U | NA |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|--|--|---|
| | | CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 6/4/2003 | CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 4/15/2005 | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 6/5/2003 | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 4/15/2005 |
| Volatile Organic Compounds (continued) | | | | | |
| Toluene | 5 | 60 | 49 J | 5.0 | NA |
| Trichlorobenzene, 1,2,3- | 5 | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA | NA |
| Trichloroethane, 1,1,1- | 5 | 25 U | 50 U | 5.0 U | NA |
| Trichloroethane, 1,1,2- | 1 | 25 U | 50 U | 5.0 U | NA |
| Trichloroethene | 5 | 25 U | 50 U | 5.0 U | NA |
| Trichlorofluoromethane | 5 | NA | NA | NA | NA |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | NA | NA | NA | NA |
| Vinyl acetate | -- | 25 U | NA | 5.0 U | NA |
| Vinyl chloride | 2 | 25 U | 50 U | 5.0 U | NA |
| Xylene, m,p- | 5 | NA | NA | NA | NA |
| Xylene, o- | 5 | NA | NA | NA | NA |
| Xylenes, Total | -- | 190 | 89 | 2 J | NA |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | 20 | 20 | 13 J | 0.50 J | 10 U |
| Acenaphthylene | -- | 1.0 J | 20 U | 3.0 J | 10 U |
| Acetophenone | -- | NA | NA | NA | NA |
| Anthracene | 50 | 2.0 J | 20 U | 10 U | 10 U |
| Atrazine | 7.5 | NA | NA | NA | NA |
| Benzaldehyde | -- | NA | NA | NA | NA |
| Benzo(a)anthracene | 0.002 | 20 U | 20 U | 10 U | 10 U |
| Benzo(a)pyrene | ND | 20 U | 20 U | 10 U | 10 U |
| Benzo(b)fluoranthene | 0.002 | 20 U | 20 U | 10 U | 10 U |
| Benzo(g,h,i)perylene | -- | 20 U | 20 U | 10 U | 10 U |
| Benzo(k)fluoranthene | 0.002 | 20 U | 20 U | 10 U | 10 U |
| Benzoic acid | -- | R | NA | 50 UJ | NA |
| Benzyl alcohol | -- | 20 U | 20 U | 10 U | 10 U |
| Biphenyl, 1,1'- | 5 | NA | NA | NA | NA |
| Bis(2-chloroethoxy)methane | 5 | 20 U | 20 U | 10 U | 10 U |
| Bis(2-chloroethyl)ether | 1 | 5.0 J | 20 U | 10 U | 10 U |
| Bis(2-ethylhexyl)phthalate | 5 | 20 U | 20 U | 2.0 J | 10 U |
| Bromophenyl phenyl ether, 4- | -- | 20 U | 20 U | 10 U | 10 U |
| Butyl benzyl phthalate | 50 | 20 U | 20 U | 10 U | 10 U |
| Caprolactam | -- | NA | NA | NA | NA |
| Carbazole | -- | 27 | 9.0 J | 10 U | 10 U |
| Chloro-3-methylphenol, 4- | -- | 20 U | 20 U | 10 U | 10 U |
| Chloroaniline, 4- | 5 | 20 U | 20 U | 10 U | 10 U |
| Chloronaphthalene, 2- | 10 | 20 U | 20 U | 10 U | 10 U |
| Chlorophenol, 2- | -- | 20 U | 20 U | 10 U | 10 U |
| Chlorophenyl phenyl ether, 4- | -- | 20 U | 20 U | 10 U | 10 U |
| Chrysene | 0.002 | 20 U | 20 U | 10 U | 10 U |

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| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|--|--|---|
| | | CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 6/4/2003 | CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 4/15/2005 | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 6/5/2003 | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 4/15/2005 |
| | | Sample Date: | | | |
| Semivolatile Organic Compounds (continued) | | | | | |
| Dibenzo(a,h)anthracene | -- | 20 U | 20 U | 10 U | 10 U |
| Dibenzofuran | -- | 11 J | 7.0 J | 10 U | 10 U |
| Dichlorobenzene, 1,2- | 3 | 20 U | 20 U | 10 U | 10 U |
| Dichlorobenzene, 1,3- | 3 | 20 UJ | 20 U | 10 UJ | 10 U |
| Dichlorobenzene, 1,4- | 3 | 20 U | 20 U | 10 UJ | 10 U |
| Dichlorobenzidine, 3,3- | 5 | 40 U | 40 U | 20 U | 20 U |
| Dichlorophenol, 2,4- | 5 | 20 U | 20 U | 10 U | 10 U |
| Diethyl phthalate | 50 | 20 U | 20 U | 10 U | 10 U |
| Dimethylphenol, 2,4- | 50 | 42 | 6.0 J | 10 U | 10 U |
| Dimethyl phthalate | 50 | 20 U | 20 U | 10 U | 10 U |
| Di-n-butyl phthalate | 50 | 20 U | 20 U | 10 U | 10 U |
| Di-n-octyl phthalate | 50 | 20 U | 20 U | 10 U | 10 U |
| Dinitro-2-methylphenol, 4,6- | -- | 100 U | 100 U | 50 U | 50 U |
| Dinitrophenol, 2,4- | 10 | 100 U | 100 UJ | 50 U | 50 UJ |
| Dinitrotoluene, 2,4- | 5 | 20 U | 20 U | 10 U | 10 U |
| Dinitrotoluene, 2,6- | 5 | 20 U | 20 U | 10 U | 10 U |
| Fluoranthene | 50 | 2.0 J | 2.0 J | 0.50 J | 10 U |
| Fluorene | 50 | 12 J | 7.0 J | 2.0 J | 10 U |
| Hexachlorobenzene | 0.04 | 20 U | 20 U | 10 U | 10 U |
| Hexachlorobutadiene | 0.5 | 20 U | 20 U | 10 UJ | 10 U |
| Hexachlorocyclopentadiene | 5 | 20 UJ | 20 U | 10 UJ | 10 U |
| Hexachloroethane | 5 | 20 UJ | 20 U | 10 UJ | 10 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 20 U | 20 U | 10 U | 10 U |
| Isophorone | 50 | 20 U | 20 U | 10 U | 10 U |
| Methylnaphthalene, 2- | -- | 29 | 19 J | 6.0 J | 10 U |
| Methylphenol, 2- | -- | 25 | 20 U | 10 U | 10 U |
| Methylphenol, 4- | -- | 42 J | 20 U | 10 U | 10 U |
| Naphthalene | 10 | 140 | 100 B | 27 | 10 U |
| Nitroaniline, 2- | 5 | 100 U | 100 U | 50 U | 50 U |
| Nitroaniline, 3- | 5 | 100 U | 100 U | 50 U | 50 U |
| Nitroaniline, 4- | 5 | 40 U | 40 U | 20 U | 20 U |
| Nitrobenzene | 0.4 | 20 U | 20 U | 10 U | 10 U |
| Nitrophenol, 2- | -- | 20 U | 20 U | 10 U | 10 U |
| Nitrophenol, 4- | -- | 100 UJ | 100 U | 50 UJ | 50 U |
| N-Nitrosodi-n-propylamine | -- | 20 U | 20 U | 10 U | 10 U |
| N-Nitrosodiphenylamine | 50 | 20 U | 20 U | 10 U | 10 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 20 U | 20 U | 10 U | 10 U |
| Pentachlorophenol | 1 | 100 U | 100 U | 50 U | 50 U |
| Phenanthrene | 50 | 15 J | 12 J | 3.0 J | 0.60 J |
| Phenol | 1 | 17 J | 2.0 J | 10 UJ | 10 U |
| Pyrene | 50 | 0.90 J | 1.0 J | 0.60 J | 10 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Sample Date: | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|---|---|--|---|--|--|---|
| | | | CGMW-06S | CGMW-06S | CGMW-06D | CGMW-06D |
| | | | CGMW-06S 10.00 to 20.00 0.57 to -9.43 6/4/2003 | CGMW-06S 10.00 to 20.00 0.57 to -9.43 4/15/2005 | CGMW-06D 120.00 to 130.00 -109.46 to -119.46 6/5/2003 | CGMW-06D 120.00 to 130.00 -109.46 to -119.46 4/15/2005 |
| Semivolatile Organic Compounds (continued) | | | | | | |
| Tetrachlorobenzene, 1,2,4,5- | | 10 | NA | NA | NA | NA |
| Tetrachlorophenol, 2,3,4,6- | | -- | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | | 5 | 20 U | 20 U | 10 U | 10 U |
| Trichlorophenol, 2,4,5- | | -- | 100 U | 100 U | 50 U | 50 U |
| Trichlorophenol, 2,4,6- | | -- | 20 U | 20 U | 10 U | 10 U |
| Pesticides | | | | | | |
| Aldrin | | ND | 0.050 U | NA | NA | NA |
| BHC, alpha- | | 0.01 | 0.050 U | NA | NA | NA |
| BHC, beta- | | 0.04 | 0.050 U | NA | NA | NA |
| BHC, delta- | | 0.04 | 0.050 U | NA | NA | NA |
| BHC, gamma- | | 0.05 | 0.050 U | NA | NA | NA |
| Chlordane, alpha- | | 0.05 | 0.050 U | NA | NA | NA |
| Chlordane, gamma- | | 0.05 | 0.050 U | NA | NA | NA |
| DDD, 4,4'- | | 0.3 | 0.15 U | NA | NA | NA |
| DDE, 4,4'- | | 0.2 | 0.10 U | NA | NA | NA |
| DDT, 4,4'- | | 0.2 | 0.10 U | NA | NA | NA |
| Dieldrin | | 0.004 | 0.10 U | NA | NA | NA |
| Endosulfan, alpha- | | -- | 0.050 U | NA | NA | NA |
| Endosulfan, beta- | | -- | 0.096 J | NA | NA | NA |
| Endosulfan sulfate | | -- | 0.10 U | NA | NA | NA |
| Endrin | | ND | 0.048 J | NA | NA | NA |
| Endrin aldehyde | | 5 | 0.10 U | NA | NA | NA |
| Endrin ketone | | 5 | 0.10 U | NA | NA | NA |
| Heptachlor | | 0.04 | 0.050 U | NA | NA | NA |
| Heptachlor epoxide | | 0.03 | 0.050 U | NA | NA | NA |
| Methoxychlor | | 35 | 0.50 U | NA | NA | NA |
| Toxaphene | | 0.06 | 2.5 U | NA | NA | NA |
| Metals | | | | | | |
| Arsenic | | 25 | 18.6 J | 19.0 B | 200 U | 3.90 U |
| Barium | | 1,000 | 24.6 B | 79.7 J | 210 | 101 J |
| Cadmium | | 5 | 50.0 U | 1.30 J | 50.0 U | 1.10 U |
| Chromium | | 50 | 50.0 U | 1.30 U | 50.0 U | 1.30 U |
| Lead | | 25 | 50.0 U | 3.20 J | 50.0 U | 3.00 UJ |
| Mercury | | 0.7 | 0.200 U | 0.400 U | 0.200 U | 0.400 U |
| Selenium | | 10 | 150 U | 5.00 U | 150 U | 5.00 U |
| Silver | | 50 | 30.0 U | 1.10 U | 30.0 U | 1.10 U |
| Total Cyanide | | | | | | |
| Cyanide, Total | | 200 | 10 UB | 10 UJ | 10 UB | 10 UJ |

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| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|--|---|---|---|
| | | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 5/4/2005 | CGMW-11 CGMW-11 58.58 to 68.58 -52.72 to -62.72 4/13/2005 | CGMW-12 CGMW-12 8.08 to 18.08 1.31 to -8.69 4/13/2005 | CGMW-16 CH2 CGMW-16-CH2S 18.01 to 18.26 -10.79 to -11.04 5/5/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | 50 | 10 UJB | 10 UJ | 10 UJ | 110 J |
| Benzene | 1 | 5.8 | 130 J | 0.74 J | 26 J |
| Bromochloromethane | 5 | NA | NA | NA | NA |
| Bromodichloromethane | 50 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Bromoform | 50 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Bromomethane | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Butanone, 2- | 50 | 10 U | 10 UJ | 1.4 J | 10 UJ |
| Carbon disulfide | -- | 1.8 J | 5.0 UJ | 5.0 U | 5.0 UJ |
| Carbon tetrachloride | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Chlorobenzene | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Chloroethane | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Chloroform | 7 | 5.0 U | 6.6 J | 5.0 U | 0.83 J |
| Chloromethane | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Cyclohexane | -- | NA | NA | NA | NA |
| Dibromochloromethane | 50 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dibromo-3-chloropropane, 1,2- | 5 | NA | NA | NA | NA |
| Dibromoethane, 1,2- | 5 | NA | NA | NA | NA |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | NA | NA | NA | NA |
| Dichloroethane, 1,1- | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dichloroethane, 1,2- | 0.6 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dichloroethene, 1,1- | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dichloroethene, cis-1,2- | 5 | 5.0 U | 5.0 UJ | 1.1 J | 5.0 UJ |
| Dichloroethene, trans-1,2- | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dichloropropane, 1,2- | 1 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dichloropropene, cis-1,3- | 0.4 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dichloropropene, trans-1,3- | 0.4 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Dioxane, 1,4- | -- | NA | NA | NA | NA |
| Ethylbenzene | 5 | 5.0 U | 140 J | 5.0 U | 27 J |
| Hexanone, 2- | 50 | 10 U | 10 UJ | 10 UJ | 10 UJ |
| Isopropylbenzene | 5 | NA | NA | NA | NA |
| Methyl acetate | -- | NA | NA | NA | NA |
| Methyl-2-pentanone, 4- | -- | 10 U | 10 UJ | 10 UJ | 10 UJ |
| Methyl tert-butyl ether | -- | NA | NA | NA | NA |
| Methylcyclohexane | -- | NA | NA | NA | NA |
| Methylene chloride | 5 | 5.0 U | 5.0 UJB | 5.0 UJB | 5.0 UJB |
| Styrene | 5 | 5.0 U | 6.2 J | 5.0 U | 5.0 UJ |
| Tetrachloroethane, 1,1,1,2- | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Tetrachloroethene | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |

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| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|--|---|---|---|
| | | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 5/4/2005 | CGMW-11 CGMW-11 58.58 to 68.58 -52.72 to -62.72 4/13/2005 | CGMW-12 CGMW-12 8.08 to 18.08 1.31 to -8.69 4/13/2005 | CGMW-16 CH2 CGMW-16-CH2S 18.01 to 18.26 -10.79 to -11.04 5/5/2005 |
| Volatile Organic Compounds (continued) | | | | | |
| Toluene | 5 | 5.0 UJ | 41 J | 5.0 U | 21 J |
| Trichlorobenzene, 1,2,3- | 5 | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA | NA |
| Trichloroethane, 1,1,1- | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Trichloroethane, 1,1,2- | 1 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Trichloroethene | 5 | 5.0 U | 5.0 UJ | 5.0 U | 5.0 UJ |
| Trichlorofluoromethane | 5 | NA | NA | NA | NA |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | NA | NA | NA | NA |
| Vinyl acetate | -- | NA | NA | NA | NA |
| Vinyl chloride | 2 | 5.0 U | 5.0 UJ | 8.2 J | 5.0 UJ |
| Xylene, m,p- | 5 | NA | NA | NA | NA |
| Xylene, o- | 5 | NA | NA | NA | NA |
| Xylenes, Total | -- | 5 U | 87 J | 5 U | 33 J |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | 20 | NA | 110 J | 10 U | NA |
| Acenaphthylene | -- | NA | 59 J | 10 U | NA |
| Acetophenone | -- | NA | NA | NA | NA |
| Anthracene | 50 | NA | 560 U | 10 U | NA |
| Atrazine | 7.5 | NA | NA | NA | NA |
| Benzaldehyde | -- | NA | NA | NA | NA |
| Benzo(a)anthracene | 0.002 | NA | 560 U | 10 U | NA |
| Benzo(a)pyrene | ND | NA | 560 U | 10 U | NA |
| Benzo(b)fluoranthene | 0.002 | NA | 560 U | 10 U | NA |
| Benzo(g,h,i)perylene | -- | NA | 560 U | 10 U | NA |
| Benzo(k)fluoranthene | 0.002 | NA | 560 U | 10 U | NA |
| Benzoic acid | -- | NA | NA | NA | NA |
| Benzyl alcohol | -- | NA | 560 U | 10 U | NA |
| Biphenyl, 1,1'- | 5 | NA | NA | NA | NA |
| Bis(2-chloroethoxy)methane | 5 | NA | 560 U | 10 U | NA |
| Bis(2-chloroethyl)ether | 1 | NA | 560 U | 10 U | NA |
| Bis(2-ethylhexyl)phthalate | 5 | NA | 560 U | 10 U | NA |
| Bromophenyl phenyl ether, 4- | -- | NA | 560 U | 10 U | NA |
| Butyl benzyl phthalate | 50 | NA | 560 U | 10 U | NA |
| Caprolactam | -- | NA | NA | NA | NA |
| Carbazole | -- | NA | 560 U | 10 U | NA |
| Chloro-3-methylphenol, 4- | -- | NA | 560 U | 10 U | NA |
| Chloroaniline, 4- | 5 | NA | 560 U | 10 U | NA |
| Chloronaphthalene, 2- | 10 | NA | 560 U | 10 U | NA |
| Chlorophenol, 2- | -- | NA | 560 U | 10 U | NA |
| Chlorophenyl phenyl ether, 4- | -- | NA | 560 U | 10 U | NA |
| Chrysene | 0.002 | NA | 560 U | 10 U | NA |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|--|---|---|---|
| | | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 5/4/2005 | CGMW-11 CGMW-11 58.58 to 68.58 -52.72 to -62.72 4/13/2005 | CGMW-12 CGMW-12 8.08 to 18.08 1.31 to -8.69 4/13/2005 | CGMW-16 CH2 CGMW-16-CH2S 18.01 to 18.26 -10.79 to -11.04 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Dibenzo(a,h)anthracene | -- | NA | 560 U | 10 U | NA |
| Dibenzofuran | -- | NA | 560 U | 10 U | NA |
| Dichlorobenzene, 1,2- | 3 | NA | 560 U | 10 U | NA |
| Dichlorobenzene, 1,3- | 3 | NA | 560 U | 10 U | NA |
| Dichlorobenzene, 1,4- | 3 | NA | 560 U | 10 U | NA |
| Dichlorobenzidine, 3,3- | 5 | NA | 1,100 U | 20 U | NA |
| Dichlorophenol, 2,4- | 5 | NA | 560 U | 10 U | NA |
| Diethyl phthalate | 50 | NA | 560 U | 10 U | NA |
| Dimethylphenol, 2,4- | 50 | NA | 560 U | 10 U | NA |
| Dimethyl phthalate | 50 | NA | 560 U | 10 U | NA |
| Di-n-butyl phthalate | 50 | NA | 560 U | 10 U | NA |
| Di-n-octyl phthalate | 50 | NA | 560 U | 10 U | NA |
| Dinitro-2-methylphenol, 4,6- | -- | NA | 2,800 U | 50 U | NA |
| Dinitrophenol, 2,4- | 10 | NA | 2,800 U | 50 U | NA |
| Dinitrotoluene, 2,4- | 5 | NA | 560 U | 10 U | NA |
| Dinitrotoluene, 2,6- | 5 | NA | 560 U | 10 U | NA |
| Fluoranthene | 50 | NA | 560 U | 10 U | NA |
| Fluorene | 50 | NA | 45 J | 10 U | NA |
| Hexachlorobenzene | 0.04 | NA | 560 U | 10 U | NA |
| Hexachlorobutadiene | 0.5 | NA | 560 U | 10 U | NA |
| Hexachlorocyclopentadiene | 5 | NA | 560 U | 10 UJ | NA |
| Hexachloroethane | 5 | NA | 560 U | 10 U | NA |
| Indeno(1,2,3-cd)pyrene | 0.002 | NA | 560 U | 10 U | NA |
| Isophorone | 50 | NA | 560 U | 10 U | NA |
| Methylnaphthalene, 2- | -- | NA | 390 J | 10 U | NA |
| Methylphenol, 2- | -- | NA | 560 U | 10 U | NA |
| Methylphenol, 4- | -- | NA | 560 U | 10 U | NA |
| Naphthalene | 10 | NA | 1,800 B | 0.90 J | NA |
| Nitroaniline, 2- | 5 | NA | 2,800 U | 50 U | NA |
| Nitroaniline, 3- | 5 | NA | 2,800 U | 50 U | NA |
| Nitroaniline, 4- | 5 | NA | 1,100 U | 20 U | NA |
| Nitrobenzene | 0.4 | NA | 560 U | 10 U | NA |
| Nitrophenol, 2- | -- | NA | 560 U | 10 U | NA |
| Nitrophenol, 4- | -- | NA | 2,800 U | 50 U | NA |
| N-Nitrosodi-n-propylamine | -- | NA | 560 U | 10 U | NA |
| N-Nitrosodiphenylamine | 50 | NA | 560 U | 10 U | NA |
| Oxybis(1-Chloropropane), 2,2'- | 5 | NA | 560 U | 10 U | NA |
| Pentachlorophenol | 1 | NA | 2,800 U | 50 U | NA |
| Phenanthrene | 50 | NA | 52 J | 10 U | NA |
| Phenol | 1 | NA | 560 U | 10 U | NA |
| Pyrene | 50 | NA | 560 U | 10 U | NA |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|--|---|---|---|
| | | CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 5/4/2005 | CGMW-11 CGMW-11 58.58 to 68.58 -52.72 to -62.72 4/13/2005 | CGMW-12 CGMW-12 8.08 to 18.08 1.31 to -8.69 4/13/2005 | CGMW-16 CH2 CGMW-16-CH2S 18.01 to 18.26 -10.79 to -11.04 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | NA | NA | NA | NA |
| Tetrachlorophenol, 2,3,4,6- | -- | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | 560 U | 10 U | NA |
| Trichlorophenol, 2,4,5- | -- | NA | 2,800 U | 50 U | NA |
| Trichlorophenol, 2,4,6- | -- | NA | 560 U | 10 U | NA |
| Pesticides | | | | | |
| Aldrin | ND | NA | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA | NA |
| Endrin | ND | NA | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA | NA |
| Metals | | | | | |
| Arsenic | 25 | NA | 8.00 J | 3.90 U | NA |
| Barium | 1,000 | NA | 1,660 J | 120 J | NA |
| Cadmium | 5 | NA | 1.10 U | 1.10 U | NA |
| Chromium | 50 | NA | 1.30 U | 2.20 J | NA |
| Lead | 25 | NA | 3.00 UJ | 3.00 UJ | NA |
| Mercury | 0.7 | NA | 0.400 U | 0.400 U | NA |
| Selenium | 10 | NA | 5.00 U | 5.00 U | NA |
| Silver | 50 | NA | 1.10 U | 1.10 U | NA |
| Total Cyanide | | | | | |
| Cyanide, Total | 200 | NA | 13 J | 10 UJ | NA |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-16 CH4 CGMW-16-CH4I 48.13 to 48.38 -40.91 to -41.16 5/5/2005 | CGMW-16 CH6 CGMW-16-CH6D 122.13 to 122.38 -114.91 to -115.16 5/5/2005 | CGMW-17 CH2 CGMW-17-CH2S 27.15 to 27.4 -4.64 to -4.89 5/4/2005 | CGMW-17 CH4 CGMW-17-CH4I 74.35 to 74.6 -51.84 to -52.09 5/4/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | 50 | 32 J | 10 UJB | 10 UJB | 2,000 UJB |
| Benzene | 1 | 150 J | 2.3 J | 120 | 18,000 |
| Bromochloromethane | 5 | NA | NA | NA | NA |
| Bromodichloromethane | 50 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Bromoform | 50 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Bromomethane | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Butanone, 2- | 50 | 50 UJ | 10 UJ | 10 U | 1,200 J |
| Carbon disulfide | -- | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Carbon tetrachloride | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Chlorobenzene | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Chloroethane | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Chloroform | 7 | 25 UJ | 0.91 J | 5.0 U | 1,000 U |
| Chloromethane | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Cyclohexane | -- | NA | NA | NA | NA |
| Dibromochloromethane | 50 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dibromo-3-chloropropane, 1,2- | 5 | NA | NA | NA | NA |
| Dibromoethane, 1,2- | 5 | NA | NA | NA | NA |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | NA | NA | NA | NA |
| Dichloroethane, 1,1- | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloroethane, 1,2- | 0.6 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloroethene, 1,1- | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloroethene, cis-1,2- | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloroethene, trans-1,2- | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloropropane, 1,2- | 1 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloropropene, cis-1,3- | 0.4 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dichloropropene, trans-1,3- | 0.4 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Dioxane, 1,4- | -- | NA | NA | NA | NA |
| Ethylbenzene | 5 | 230 J | 1.3 J | 2.1 J | 1,600 |
| Hexanone, 2- | 50 | 50 UJ | 10 UJ | 10 U | 2,000 U |
| Isopropylbenzene | 5 | NA | NA | NA | NA |
| Methyl acetate | -- | NA | NA | NA | NA |
| Methyl-2-pentanone, 4- | -- | 50 UJ | 10 UJ | 10 U | 2,000 U |
| Methyl tert-butyl ether | -- | NA | NA | NA | NA |
| Methylcyclohexane | -- | NA | NA | NA | NA |
| Methylene chloride | 5 | 25 UJB | 5.0 UJB | 5.0 U | 1,000 UJB |
| Styrene | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Tetrachloroethane, 1,1,1,2,2- | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Tetrachloroethene | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-16 CH4 CGMW-16-CH4I 48.13 to 48.38 -40.91 to -41.16 5/5/2005 | CGMW-16 CH6 CGMW-16-CH6D 122.13 to 122.38 -114.91 to -115.16 5/5/2005 | CGMW-17 CH2 CGMW-17-CH2S 27.15 to 27.4 -4.64 to -4.89 5/4/2005 | CGMW-17 CH4 CGMW-17-CH4I 74.35 to 74.6 -51.84 to -52.09 5/4/2005 |
| Volatile Organic Compounds (continued) | | | | | |
| Toluene | 5 | 180 J | 5.0 UJ | 5.0 UJ | 1,000 U |
| Trichlorobenzene, 1,2,3- | 5 | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA | NA |
| Trichloroethane, 1,1,1- | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Trichloroethane, 1,1,2- | 1 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Trichloroethene | 5 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Trichlorofluoromethane | 5 | NA | NA | NA | NA |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | NA | NA | NA | NA |
| Vinyl acetate | -- | NA | NA | NA | NA |
| Vinyl chloride | 2 | 25 UJ | 5.0 UJ | 5.0 U | 1,000 U |
| Xylene, m,p- | 5 | NA | NA | NA | NA |
| Xylene, o- | 5 | NA | NA | NA | NA |
| Xylenes, Total | -- | 240 J | 1.4 J | 2.2 J | 1,000 U |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | 20 | 90 J | 10 U | 3.0 J | 34 J |
| Acenaphthylene | -- | 20 J | 10 U | 10 U | 41 J |
| Acetophenone | -- | NA | NA | NA | NA |
| Anthracene | 50 | 270 U | 10 U | 10 U | 45 U |
| Atrazine | 7.5 | NA | NA | NA | NA |
| Benzaldehyde | -- | NA | NA | NA | NA |
| Benzo(a)anthracene | 0.002 | 270 U | 10 U | 10 U | 45 U |
| Benzo(a)pyrene | ND | 270 U | 10 U | 10 U | 45 U |
| Benzo(b)fluoranthene | 0.002 | 270 U | 10 U | 10 U | 45 U |
| Benzo(g,h,i)perylene | -- | 270 U | 10 U | 10 U | 45 U |
| Benzo(k)fluoranthene | 0.002 | 270 U | 10 U | 10 U | 45 U |
| Benzoic acid | -- | NA | NA | NA | NA |
| Benzyl alcohol | -- | 270 U | 10 U | 10 U | 45 U |
| Biphenyl, 1,1'- | 5 | NA | NA | NA | NA |
| Bis(2-chloroethoxy)methane | 5 | 270 U | 10 U | 10 U | 45 U |
| Bis(2-chloroethyl)ether | 1 | 270 U | 10 U | 10 U | 45 U |
| Bis(2-ethylhexyl)phthalate | 5 | 270 U | 10 U | 10 U | 45 U |
| Bromophenyl phenyl ether, 4- | -- | 270 U | 10 U | 10 U | 45 U |
| Butyl benzyl phthalate | 50 | 270 U | 10 U | 10 U | 45 U |
| Caprolactam | -- | NA | NA | NA | NA |
| Carbazole | -- | 270 U | 10 U | 10 U | 5.0 J |
| Chloro-3-methylphenol, 4- | -- | 270 U | 10 U | 10 U | 45 U |
| Chloroaniline, 4- | 5 | 270 U | 10 U | 10 U | 45 U |
| Chloronaphthalene, 2- | 10 | 270 U | 10 U | 10 U | 45 U |
| Chlorophenol, 2- | -- | 270 U | 10 U | 10 U | 45 U |
| Chlorophenyl phenyl ether, 4- | -- | 270 U | 10 U | 10 U | 45 U |
| Chrysene | 0.002 | 270 U | 10 U | 10 U | 45 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-16 CH4 CGMW-16-CH4I 48.13 to 48.38 -40.91 to -41.16 5/5/2005 | CGMW-16 CH6 CGMW-16-CH6D 122.13 to 122.38 -114.91 to -115.16 5/5/2005 | CGMW-17 CH2 CGMW-17-CH2S 27.15 to 27.4 -4.64 to -4.89 5/4/2005 | CGMW-17 CH4 CGMW-17-CH4I 74.35 to 74.6 -51.84 to -52.09 5/4/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Dibenzo(a,h)anthracene | -- | 270 U | 10 U | 10 U | 45 U |
| Dibenzofuran | -- | 270 U | 10 U | 10 U | 45 U |
| Dichlorobenzene, 1,2- | 3 | 270 U | 10 U | 10 U | 45 U |
| Dichlorobenzene, 1,3- | 3 | 270 U | 10 U | 10 U | 45 U |
| Dichlorobenzene, 1,4- | 3 | 270 U | 10 U | 10 U | 45 U |
| Dichlorobenzidine, 3,3- | 5 | 540 U | 20 U | 21 U | 90 U |
| Dichlorophenol, 2,4- | 5 | 270 U | 10 U | 10 U | 45 U |
| Diethyl phthalate | 50 | 270 U | 10 U | 10 U | 45 U |
| Dimethylphenol, 2,4- | 50 | 270 U | 10 U | 10 U | 45 U |
| Dimethyl phthalate | 50 | 270 U | 10 U | 10 U | 45 U |
| Di-n-butyl phthalate | 50 | 270 U | 10 U | 10 U | 45 U |
| Di-n-octyl phthalate | 50 | 270 U | 10 U | 10 U | 45 U |
| Dinitro-2-methylphenol, 4,6- | -- | 1,400 UJ | 50 U | 52 U | 220 U |
| Dinitrophenol, 2,4- | 10 | 1,400 UJ | 50 UJ | 52 U | 220 U |
| Dinitrotoluene, 2,4- | 5 | 270 U | 10 U | 10 U | 45 U |
| Dinitrotoluene, 2,6- | 5 | 270 U | 10 U | 10 U | 45 UJ |
| Fluoranthene | 50 | 270 U | 10 U | 10 U | 45 U |
| Fluorene | 50 | 270 U | 10 U | 10 U | 45 U |
| Hexachlorobenzene | 0.04 | 270 U | 10 U | 10 U | 45 U |
| Hexachlorobutadiene | 0.5 | 270 U | 10 U | 10 U | 45 U |
| Hexachlorocyclopentadiene | 5 | 270 UJ | 10 U | 10 U | 45 U |
| Hexachloroethane | 5 | 270 U | 10 U | 10 U | 45 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 270 U | 10 U | 10 U | 45 U |
| Isophorone | 50 | 270 U | 10 U | 10 U | 45 U |
| Methylnaphthalene, 2- | -- | 250 J | 10 U | 10 U | 45 U |
| Methylphenol, 2- | -- | 270 U | 10 U | 10 U | 45 U |
| Methylphenol, 4- | -- | 270 U | 10 U | 10 U | 45 U |
| Naphthalene | 10 | 1,300 | 1.0 J | 5.0 J | 160 |
| Nitroaniline, 2- | 5 | 1,400 U | 50 U | 52 U | 220 U |
| Nitroaniline, 3- | 5 | 1,400 U | 50 U | 52 U | 220 U |
| Nitroaniline, 4- | 5 | 540 U | 20 U | 21 U | 90 U |
| Nitrobenzene | 0.4 | 270 U | 10 U | 10 U | 45 U |
| Nitrophenol, 2- | -- | 270 U | 10 U | 10 U | 45 U |
| Nitrophenol, 4- | -- | 1,400 U | 50 U | 52 U | 220 U |
| N-Nitrosodi-n-propylamine | -- | 270 U | 10 U | 10 U | 45 U |
| N-Nitrosodiphenylamine | 50 | 270 U | 10 U | 10 U | 45 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 270 U | 10 U | 10 U | 45 U |
| Pentachlorophenol | 1 | 1,400 U | 50 U | 52 U | 220 U |
| Phenanthrene | 50 | 40 J | 1.0 J | 10 U | 5.0 J |
| Phenol | 1 | 270 U | 10 U | 4.0 J | 30 J |
| Pyrene | 50 | 270 U | 10 U | 10 U | 45 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-16 CH4 CGMW-16-CH4I 48.13 to 48.38 -40.91 to -41.16 5/5/2005 | CGMW-16 CH6 CGMW-16-CH6D 122.13 to 122.38 -114.91 to -115.16 5/5/2005 | CGMW-17 CH2 CGMW-17-CH2S 27.15 to 27.4 -4.64 to -4.89 5/4/2005 | CGMW-17 CH4 CGMW-17-CH4I 74.35 to 74.6 -51.84 to -52.09 5/4/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | NA | NA | NA | NA |
| Tetrachlorophenol, 2,3,4,6- | -- | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | 270 U | 10 U | 10 U | 45 U |
| Trichlorophenol, 2,4,5- | -- | 1,400 U | 50 U | 52 U | 220 U |
| Trichlorophenol, 2,4,6- | -- | 270 U | 10 U | 10 U | 45 U |
| Pesticides | | | | | |
| Aldrin | ND | NA | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA | NA |
| Endrin | ND | NA | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA | NA |
| Metals | | | | | |
| Arsenic | 25 | 3.90 U | 3.90 U | 3.90 U | 6.80 J |
| Barium | 1,000 | 309 | 173 J | 297 J | 388 J |
| Cadmium | 5 | 1.10 U | 1.10 U | 1.10 U | 1.10 U |
| Chromium | 50 | 1.30 U | 1.30 U | 1.30 U | 1.90 J |
| Lead | 25 | 3.00 UJ | 3.00 UJ | 3.00 UJ | 3.00 UJ |
| Mercury | 0.7 | 0.400 U | 0.400 U | 0.400 U | 0.400 U |
| Selenium | 10 | 5.00 U | 5.00 U | 5.00 U | 5.00 U |
| Silver | 50 | 1.10 U | 1.10 U | 1.10 U | 1.10 U |
| Total Cyanide | | | | | |
| Cyanide, Total | 200 | 10 U | 10 U | 9.6 J | 10 UJ |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Sample Date: | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|-----------------------------------|---|--|--|--|---|
| | | | CGMW-17 CH6 CGMW-17-CH6D 124.35 to 124.6 -101.84 to -102.09 5/4/2005 | CGMW-18 CH2 CGMW-18-CH2S 22.1 to 22.35 -7.77 to -8.02 5/5/2005 | CGMW-18 CH6 CGMW-18-CH6I 70.26 to 70.51 -55.93 to -56.18 5/5/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | | 50 | 10 UB | 370 J | 10 UJB |
| Benzene | | 1 | 63 | 16,000 J | 22 J |
| Bromochloromethane | | 5 | NA | NA | NA |
| Bromodichloromethane | | 50 | 5.0 U | 500 UJ | 5.0 UJ |
| Bromoform | | 50 | 5.0 U | 500 UJ | 5.0 UJ |
| Bromomethane | | 5 | 5.0 UJ | 500 UJ | 5.0 UJ |
| Butanone, 2- | | 50 | 10 U | 1,000 UJ | 10 UJ |
| Carbon disulfide | | -- | 5.0 U | 500 UJ | 5.0 UJ |
| Carbon tetrachloride | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Chlorobenzene | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Chloroethane | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Chloroform | | 7 | 0.77 J | 500 UJ | 5.0 UJ |
| Chloromethane | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Cyclohexane | | -- | NA | NA | NA |
| Dibromochloromethane | | 50 | 5.0 U | 500 UJ | 5.0 UJ |
| Dibromo-3-chloropropane, 1,2- | | 5 | NA | NA | NA |
| Dibromoethane, 1,2- | | 5 | NA | NA | NA |
| Dichlorobenzene, 1,2- | | 3 | NA | NA | NA |
| Dichlorobenzene, 1,3- | | 3 | NA | NA | NA |
| Dichlorobenzene, 1,4- | | 3 | NA | NA | NA |
| Dichlorodifluoromethane | | 5 | NA | NA | NA |
| Dichloroethane, 1,1- | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloroethane, 1,2- | | 0.6 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloroethene, 1,1- | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloroethene, cis-1,2- | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloroethene, trans-1,2- | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloropropane, 1,2- | | 1 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloropropene, cis-1,3- | | 0.4 | 5.0 U | 500 UJ | 5.0 UJ |
| Dichloropropene, trans-1,3- | | 0.4 | 5.0 U | 500 UJ | 5.0 UJ |
| Dioxane, 1,4- | | -- | NA | NA | NA |
| Ethylbenzene | | 5 | 5.0 U | 3,700 J | 1.2 J |
| Hexanone, 2- | | 50 | 10 U | 1,000 UJ | 10 UJ |
| Isopropylbenzene | | 5 | NA | NA | NA |
| Methyl acetate | | -- | NA | NA | NA |
| Methyl-2-pentanone, 4- | | -- | 10 U | 1,000 UJ | 10 UJ |
| Methyl tert-butyl ether | | -- | NA | NA | NA |
| Methylcyclohexane | | -- | NA | NA | NA |
| Methylene chloride | | 5 | 5.0 UJB | 500 UJB | 5.0 UJB |
| Styrene | | 5 | 5.0 U | 340 J | 2.5 J |
| Tetrachloroethane, 1,1,2,2- | | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Tetrachloroethene | | 5 | 5.0 U | 500 UJ | 5.0 UJ |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|--|--|---|
| | | CGMW-17 CH6 CGMW-17-CH6D 124.35 to 124.6 -101.84 to -102.09 5/4/2005 | CGMW-18 CH2 CGMW-18-CH2S 22.1 to 22.35 -7.77 to -8.02 5/5/2005 | CGMW-18 CH6 CGMW-18-CH6I 70.26 to 70.51 -55.93 to -56.18 5/5/2005 |
| Volatile Organic Compounds (continued) | | | | |
| Toluene | 5 | 5.0 UJ | 11,000 J | 22 J |
| Trichlorobenzene, 1,2,3- | 5 | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA |
| Trichloroethane, 1,1,1- | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Trichloroethane, 1,1,2- | 1 | 5.0 U | 500 UJ | 5.0 UJ |
| Trichloroethene | 5 | 5.0 U | 500 UJ | 5.0 UJ |
| Trichlorofluoromethane | 5 | NA | NA | NA |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | NA | NA | NA |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 2 | 5.0 U | 500 UJ | 5.0 UJ |
| Xylene, m,p- | 5 | NA | NA | NA |
| Xylene, o- | 5 | NA | NA | NA |
| Xylenes, Total | -- | 5 U | 6,000 J | 5.1 J |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 20 | 11 U | 1,100 U | 11 U |
| Acenaphthylene | -- | 11 U | 1,100 U | 2.0 J |
| Acetophenone | -- | NA | NA | NA |
| Anthracene | 50 | 11 U | 1,100 U | 11 U |
| Atrazine | 7.5 | NA | NA | NA |
| Benzaldehyde | -- | NA | NA | NA |
| Benzo(a)anthracene | 0.002 | 11 U | 1,100 U | 11 U |
| Benzo(a)pyrene | ND | 11 U | 1,100 U | 11 U |
| Benzo(b)fluoranthene | 0.002 | 11 U | 1,100 UJ | 11 U |
| Benzo(g,h,i)perylene | -- | 11 U | 1,100 U | 11 U |
| Benzo(k)fluoranthene | 0.002 | 11 U | 1,100 U | 11 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 11 U | 1,100 U | 11 U |
| Biphenyl, 1,1'- | 5 | NA | NA | NA |
| Bis(2-chloroethoxy)methane | 5 | 11 U | 1,100 U | 11 U |
| Bis(2-chloroethyl)ether | 1 | 11 U | 1,100 U | 11 U |
| Bis(2-ethylhexyl)phthalate | 5 | 11 U | 1,100 U | 11 U |
| Bromophenyl phenyl ether, 4- | -- | 11 U | 1,100 U | 11 U |
| Butyl benzyl phthalate | 50 | 11 U | 1,100 U | 11 U |
| Caprolactam | -- | NA | NA | NA |
| Carbazole | -- | 11 U | 1,100 U | 11 U |
| Chloro-3-methylphenol, 4- | -- | 11 U | 1,100 U | 11 U |
| Chloroaniline, 4- | 5 | 11 U | 1,100 U | 11 U |
| Chloronaphthalene, 2- | 10 | 11 U | 1,100 U | 11 U |
| Chlorophenol, 2- | -- | 11 U | 1,100 U | 11 U |
| Chlorophenyl phenyl ether, 4- | -- | 11 U | 1,100 U | 11 U |
| Chrysene | 0.002 | 11 U | 1,100 U | 11 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|--|--|---|
| | | CGMW-17 CH6 CGMW-17-CH6D 124.35 to 124.6 -101.84 to -102.09 5/4/2005 | CGMW-18 CH2 CGMW-18-CH2S 22.1 to 22.35 -7.77 to -8.02 5/5/2005 | CGMW-18 CH6 CGMW-18-CH6I 70.26 to 70.51 -55.93 to -56.18 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Dibenzo(a,h)anthracene | -- | 11 U | 1,100 U | 11 U |
| Dibenzofuran | -- | 11 U | 1,100 U | 11 U |
| Dichlorobenzene, 1,2- | 3 | 11 U | 1,100 U | 11 U |
| Dichlorobenzene, 1,3- | 3 | 11 U | 1,100 U | 11 U |
| Dichlorobenzene, 1,4- | 3 | 11 U | 1,100 U | 11 U |
| Dichlorobenzidine, 3,3- | 5 | 21 U | 2,300 UJ | 22 U |
| Dichlorophenol, 2,4- | 5 | 11 U | 1,100 U | 11 U |
| Diethyl phthalate | 50 | 11 U | 1,100 U | 11 U |
| Dimethylphenol, 2,4- | 50 | 11 U | 1,100 U | 11 U |
| Dimethyl phthalate | 50 | 11 U | 1,100 U | 11 U |
| Di-n-butyl phthalate | 50 | 11 U | 1,100 U | 11 U |
| Di-n-octyl phthalate | 50 | 11 U | 1,100 U | 11 U |
| Dinitro-2-methylphenol, 4,6- | -- | 53 U | 5,700 U | 56 U |
| Dinitrophenol, 2,4- | 10 | 53 U | 5,700 UJ | 56 UJ |
| Dinitrotoluene, 2,4- | 5 | 11 U | 1,100 U | 11 U |
| Dinitrotoluene, 2,6- | 5 | 11 U | 1,100 U | 11 U |
| Fluoranthene | 50 | 11 U | 1,100 U | 11 U |
| Fluorene | 50 | 11 U | 1,100 U | 11 U |
| Hexachlorobenzene | 0.04 | 11 U | 1,100 U | 11 U |
| Hexachlorobutadiene | 0.5 | 11 U | 1,100 U | 11 U |
| Hexachlorocyclopentadiene | 5 | 11 U | 1,100 U | 11 U |
| Hexachloroethane | 5 | 11 U | 1,100 U | 11 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 11 U | 1,100 U | 11 U |
| Isophorone | 50 | 11 U | 1,100 U | 11 U |
| Methylnaphthalene, 2- | -- | 11 U | 390 J | 3.0 J |
| Methylphenol, 2- | -- | 11 U | 1,100 U | 11 U |
| Methylphenol, 4- | -- | 11 U | 1,100 U | 11 U |
| Naphthalene | 10 | 11 U | 8,700 | 16 |
| Nitroaniline, 2- | 5 | 53 U | 5,700 U | 56 U |
| Nitroaniline, 3- | 5 | 53 U | 5,700 U | 56 U |
| Nitroaniline, 4- | 5 | 21 U | 2,300 U | 22 U |
| Nitrobenzene | 0.4 | 11 U | 1,100 U | 11 U |
| Nitrophenol, 2- | -- | 11 U | 1,100 U | 11 U |
| Nitrophenol, 4- | -- | 53 U | 5,700 U | 56 U |
| N-Nitrosodi-n-propylamine | -- | 11 U | 1,100 U | 11 U |
| N-Nitrosodiphenylamine | 50 | 11 U | 1,100 U | 11 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 11 U | 1,100 U | 11 U |
| Pentachlorophenol | 1 | 53 U | 5,700 U | 56 U |
| Phenanthrene | 50 | 11 U | 1,100 U | 11 U |
| Phenol | 1 | 1.0 J | 1,100 U | 11 U |
| Pyrene | 50 | 11 U | 1,100 U | 11 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|--|--|---|
| | | CGMW-17 CH6 CGMW-17-CH6D 124.35 to 124.6 -101.84 to -102.09 5/4/2005 | CGMW-18 CH2 CGMW-18-CH2S 22.1 to 22.35 -7.77 to -8.02 5/5/2005 | CGMW-18 CH6 CGMW-18-CH6I 70.26 to 70.51 -55.93 to -56.18 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | NA | NA | NA |
| Tetrachlorophenol, 2,3,4,6- | -- | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | 11 U | 1,100 U | 11 U |
| Trichlorophenol, 2,4,5- | -- | 53 U | 5,700 U | 56 U |
| Trichlorophenol, 2,4,6- | -- | 11 U | 1,100 U | 11 U |
| Pesticides | | | | |
| Aldrin | ND | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA |
| Endrin | ND | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 25 | 29.3 B | 8.20 J | 3.90 U |
| Barium | 1,000 | 671 J | 237 | 183 J |
| Cadmium | 5 | 4.50 J | 1.10 U | 1.10 U |
| Chromium | 50 | 32.4 | 1.60 J | 1.30 U |
| Lead | 25 | 99.1 J | 3.20 J | 3.00 UJ |
| Mercury | 0.7 | 0.130 J | 0.400 U | 0.400 U |
| Selenium | 10 | 5.00 U | 5.00 U | 5.00 U |
| Silver | 50 | 1.10 U | 1.10 U | 1.10 U |
| Total Cyanide | | | | |
| Cyanide, Total | 200 | 10 UJ | 14 | 10 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005 |
| Volatile Organic Compounds | | | | |
| Acetone | 50 | 10 UJB | 10 UB | NA |
| Benzene | 1 | 12 J | 5.0 UJ | NA |
| Bromochloromethane | 5 | NA | NA | NA |
| Bromodichloromethane | 50 | 5.0 UJ | 5.0 UJ | NA |
| Bromoform | 50 | 5.0 UJ | 5.0 UJ | NA |
| Bromomethane | 5 | 5.0 UJ | 5.0 UJ | NA |
| Butanone, 2- | 50 | 10 UJ | 10 UJ | NA |
| Carbon disulfide | -- | 5.0 UJ | 5.0 UJ | NA |
| Carbon tetrachloride | 5 | 5.0 UJ | 5.0 UJ | NA |
| Chlorobenzene | 5 | 5.0 UJ | 5.0 UJ | NA |
| Chloroethane | 5 | 5.0 UJ | 5.0 UJ | NA |
| Chloroform | 7 | 5.0 UJ | 5.0 UJ | NA |
| Chloromethane | 5 | 5.0 UJ | 5.0 UJ | NA |
| Cyclohexane | -- | NA | NA | NA |
| Dibromochloromethane | 50 | 5.0 UJ | 5.0 UJ | NA |
| Dibromo-3-chloropropane, 1,2- | 5 | NA | NA | NA |
| Dibromoethane, 1,2- | 5 | NA | NA | NA |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA |
| Dichlorodifluoromethane | 5 | NA | NA | NA |
| Dichloroethane, 1,1- | 5 | 5.0 UJ | 5.0 UJ | NA |
| Dichloroethane, 1,2- | 0.6 | 5.0 UJ | 5.0 UJ | NA |
| Dichloroethene, 1,1- | 5 | 5.0 UJ | 5.0 UJ | NA |
| Dichloroethene, cis-1,2- | 5 | 5.0 UJ | 5.0 UJ | NA |
| Dichloroethene, trans-1,2- | 5 | 5.0 UJ | 5.0 UJ | NA |
| Dichloropropane, 1,2- | 1 | 5.0 UJ | 5.0 UJ | NA |
| Dichloropropene, cis-1,3- | 0.4 | 5.0 UJ | 5.0 UJ | NA |
| Dichloropropene, trans-1,3- | 0.4 | 5.0 UJ | 5.0 UJ | NA |
| Dioxane, 1,4- | -- | NA | NA | NA |
| Ethylbenzene | 5 | 5.0 UJ | 5.0 UJ | NA |
| Hexanone, 2- | 50 | 10 UJ | 10 UJ | NA |
| Isopropylbenzene | 5 | NA | NA | NA |
| Methyl acetate | -- | NA | NA | NA |
| Methyl-2-pentanone, 4- | -- | 10 UJ | 10 UJ | NA |
| Methyl tert-butyl ether | -- | NA | NA | NA |
| Methylcyclohexane | -- | NA | NA | NA |
| Methylene chloride | 5 | 5.0 UJ | 5.0 UJB | NA |
| Styrene | 5 | 1.1 J | 5.0 UJ | NA |
| Tetrachloroethane, 1,1,2,2- | 5 | 5.0 UJ | 5.0 UJ | NA |
| Tetrachloroethene | 5 | 5.0 UJ | 5.0 UJ | NA |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005 |
| Volatile Organic Compounds (continued) | | | | |
| Toluene | 5 | 12 J | 5.0 UJ | NA |
| Trichlorobenzene, 1,2,3- | 5 | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA |
| Trichloroethane, 1,1,1- | 5 | 5.0 UJ | 5.0 UJ | NA |
| Trichloroethane, 1,1,2- | 1 | 5.0 UJ | 5.0 UJ | NA |
| Trichloroethene | 5 | 5.0 UJ | 5.0 UJ | NA |
| Trichlorofluoromethane | 5 | NA | NA | NA |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | NA | NA | NA |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 2 | 5.0 UJ | 5.0 UJ | NA |
| Xylene, m,p- | 5 | NA | NA | NA |
| Xylene, o- | 5 | NA | NA | NA |
| Xylenes, Total | -- | 4.1 J | 5 UJ | NA |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 20 | 11 U | 11 U | NA |
| Acenaphthylene | -- | 2.0 J | 11 U | NA |
| Acetophenone | -- | NA | NA | NA |
| Anthracene | 50 | 11 U | 11 U | NA |
| Atrazine | 7.5 | NA | NA | NA |
| Benzaldehyde | -- | NA | NA | NA |
| Benzo(a)anthracene | 0.002 | 11 U | 11 U | NA |
| Benzo(a)pyrene | ND | 11 U | 11 U | NA |
| Benzo(b)fluoranthene | 0.002 | 11 U | 11 U | NA |
| Benzo(g,h,i)perylene | -- | 11 U | 11 U | NA |
| Benzo(k)fluoranthene | 0.002 | 11 U | 11 U | NA |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | 11 U | 11 U | NA |
| Biphenyl, 1,1'- | 5 | NA | NA | NA |
| Bis(2-chloroethoxy)methane | 5 | 11 U | 11 U | NA |
| Bis(2-chloroethyl)ether | 1 | 11 U | 11 U | NA |
| Bis(2-ethylhexyl)phthalate | 5 | 11 U | 11 U | NA |
| Bromophenyl phenyl ether, 4- | -- | 11 U | 11 U | NA |
| Butyl benzyl phthalate | 50 | 11 U | 11 U | NA |
| Caprolactam | -- | NA | NA | NA |
| Carbazole | -- | 11 U | 11 U | NA |
| Chloro-3-methylphenol, 4- | -- | 11 U | 11 U | NA |
| Chloroaniline, 4- | 5 | 11 U | 11 U | NA |
| Chloronaphthalene, 2- | 10 | 11 U | 11 U | NA |
| Chlorophenol, 2- | -- | 11 U | 11 U | NA |
| Chlorophenyl phenyl ether, 4- | -- | 11 U | 11 U | NA |
| Chrysene | 0.002 | 11 U | 11 U | NA |

Table 8
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Former Citizens Gas Works Manufactured Gas Plant Site
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| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Dibenzo(a,h)anthracene | -- | 11 U | 11 U | NA |
| Dibenzofuran | -- | 11 U | 11 U | NA |
| Dichlorobenzene, 1,2- | 3 | 11 U | 11 U | NA |
| Dichlorobenzene, 1,3- | 3 | 11 U | 11 U | NA |
| Dichlorobenzene, 1,4- | 3 | 11 U | 11 U | NA |
| Dichlorobenzidine, 3,3- | 5 | 22 U | 22 U | NA |
| Dichlorophenol, 2,4- | 5 | 11 U | 11 U | NA |
| Diethyl phthalate | 50 | 11 U | 11 U | NA |
| Dimethylphenol, 2,4- | 50 | 11 U | 11 U | NA |
| Dimethyl phthalate | 50 | 11 U | 11 U | NA |
| Di-n-butyl phthalate | 50 | 11 U | 11 U | NA |
| Di-n-octyl phthalate | 50 | 11 U | 11 U | NA |
| Dinitro-2-methylphenol, 4,6- | -- | 56 U | 54 U | NA |
| Dinitrophenol, 2,4- | 10 | 56 UJ | 54 UJ | NA |
| Dinitrotoluene, 2,4- | 5 | 11 U | 11 U | NA |
| Dinitrotoluene, 2,6- | 5 | 11 U | 11 U | NA |
| Fluoranthene | 50 | 11 U | 11 U | NA |
| Fluorene | 50 | 11 U | 11 U | NA |
| Hexachlorobenzene | 0.04 | 11 U | 11 U | NA |
| Hexachlorobutadiene | 0.5 | 11 U | 11 U | NA |
| Hexachlorocyclopentadiene | 5 | 11 U | 11 U | NA |
| Hexachloroethane | 5 | 11 U | 11 U | NA |
| Indeno(1,2,3-cd)pyrene | 0.002 | 11 U | 11 U | NA |
| Isophorone | 50 | 11 U | 2.0 J | NA |
| Methylnaphthalene, 2- | -- | 3.0 J | 11 U | NA |
| Methylphenol, 2- | -- | 11 U | 11 U | NA |
| Methylphenol, 4- | -- | 11 U | 11 U | NA |
| Naphthalene | 10 | 16 | 11 U | NA |
| Nitroaniline, 2- | 5 | 56 U | 54 U | NA |
| Nitroaniline, 3- | 5 | 56 U | 54 U | NA |
| Nitroaniline, 4- | 5 | 22 U | 22 U | NA |
| Nitrobenzene | 0.4 | 11 U | 11 U | NA |
| Nitrophenol, 2- | -- | 11 U | 11 U | NA |
| Nitrophenol, 4- | -- | 56 U | 54 U | NA |
| N-Nitrosodi-n-propylamine | -- | 11 U | 11 U | NA |
| N-Nitrosodiphenylamine | 50 | 11 U | 11 U | NA |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 11 U | 11 U | NA |
| Pentachlorophenol | 1 | 56 U | 54 U | NA |
| Phenanthrene | 50 | 11 U | 11 U | NA |
| Phenol | 1 | 11 U | 11 U | NA |
| Pyrene | 50 | 11 U | 11 U | NA |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | |
|--|--|---|---|---|
| | | CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005 | CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | NA | NA | NA |
| Tetrachlorophenol, 2,3,4,6- | -- | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | 11 U | 11 U | NA |
| Trichlorophenol, 2,4,5- | -- | 56 U | 54 U | NA |
| Trichlorophenol, 2,4,6- | -- | 11 U | 11 U | NA |
| Pesticides | | | | |
| Aldrin | ND | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA |
| Endrin | ND | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 25 | 3.90 U | NA | 3.90 U |
| Barium | 1,000 | 182 J | NA | 234 |
| Cadmium | 5 | 1.10 U | NA | 1.10 U |
| Chromium | 50 | 1.30 U | NA | 1.30 U |
| Lead | 25 | 3.00 UJ | NA | 3.00 UJ |
| Mercury | 0.7 | 0.400 U | NA | 0.400 U |
| Selenium | 10 | 5.00 U | NA | 5.00 U |
| Silver | 50 | 1.10 U | NA | 1.10 U |
| Total Cyanide | | | | |
| Cyanide, Total | 200 | 10 U | NA | 10 UB |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|---|---|
| | | CGMW-19 CH4 CGMW-19-CH4I 74.6 to 74.85 -66.1 to -66.35 5/4/2005 | CGMW-19 CH6 CGMW-19-CH6D 115.6 to 115.85 -107.1 to -107.35 5/4/2005 | CGMW-22 CH1 CGMW-22-CH1S 11.73 to 11.98 -5.68 to -5.93 5/5/2005 | CGMW-22 CH5 CGMW-22-CH5I 63.9 to 64.15 -57.85 to -58.1 5/5/2005 |
| Volatile Organic Compounds | | | | | |
| Acetone | 50 | 10 UJB | 10 UJB | 7.0 J | 33 J |
| Benzene | 1 | 5.0 UJ | 5.0 UJ | 3.8 J | 250 J |
| Bromochloromethane | 5 | NA | NA | NA | NA |
| Bromodichloromethane | 50 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Bromoform | 50 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Bromomethane | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Butanone, 2- | 50 | 10 UJ | 10 UJ | 10 UJ | 50 UJ |
| Carbon disulfide | -- | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Carbon tetrachloride | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Chlorobenzene | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Chloroethane | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Chloroform | 7 | 1.3 J | 5.0 UJ | 5.0 UJ | 25 UJ |
| Chloromethane | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Cyclohexane | -- | NA | NA | NA | NA |
| Dibromochloromethane | 50 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dibromo-3-chloropropane, 1,2- | 5 | NA | NA | NA | NA |
| Dibromoethane, 1,2- | 5 | NA | NA | NA | NA |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | NA | NA | NA | NA |
| Dichloroethane, 1,1- | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloroethane, 1,2- | 0.6 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloroethene, 1,1- | 5 | 0.75 J | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloroethene, cis-1,2- | 5 | 20 | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloroethene, trans-1,2- | 5 | 1.0 J | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloropropane, 1,2- | 1 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloropropene, cis-1,3- | 0.4 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dichloropropene, trans-1,3- | 0.4 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Dioxane, 1,4- | -- | NA | NA | NA | NA |
| Ethylbenzene | 5 | 5.0 UJ | 5.0 UJ | 20 J | 210 J |
| Hexanone, 2- | 50 | 10 UJ | 10 UJ | 10 UJ | 50 UJ |
| Isopropylbenzene | 5 | NA | NA | NA | NA |
| Methyl acetate | -- | NA | NA | NA | NA |
| Methyl-2-pentanone, 4- | -- | 10 UJ | 10 UJ | 10 UJ | 50 UJ |
| Methyl tert-butyl ether | -- | NA | NA | NA | NA |
| Methylcyclohexane | -- | NA | NA | NA | NA |
| Methylene chloride | 5 | 5.0 UJB | 5.0 UJB | 5.0 UJB | 25 UJB |
| Styrene | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Tetrachloroethane, 1,1,1,2,2- | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Tetrachloroethene | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|---|---|
| | | CGMW-19 CH4 CGMW-19-CH4I 74.6 to 74.85 -66.1 to -66.35 5/4/2005 | CGMW-19 CH6 CGMW-19-CH6D 115.6 to 115.85 -107.1 to -107.35 5/4/2005 | CGMW-22 CH1 CGMW-22-CH1S 11.73 to 11.98 -5.68 to -5.93 5/5/2005 | CGMW-22 CH5 CGMW-22-CH5I 63.9 to 64.15 -57.85 to -58.1 5/5/2005 |
| Volatile Organic Compounds (continued) | | | | | |
| Toluene | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 27 J |
| Trichlorobenzene, 1,2,3- | 5 | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA | NA |
| Trichloroethane, 1,1,1- | 5 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Trichloroethane, 1,1,2- | 1 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Trichloroethene | 5 | 100 J | 5.0 UJ | 5.0 UJ | 25 UJ |
| Trichlorofluoromethane | 5 | NA | NA | NA | NA |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | NA | NA | NA | NA |
| Vinyl acetate | -- | NA | NA | NA | NA |
| Vinyl chloride | 2 | 5.0 UJ | 5.0 UJ | 5.0 UJ | 25 UJ |
| Xylene, m,p- | 5 | NA | NA | NA | NA |
| Xylene, o- | 5 | NA | NA | NA | NA |
| Xylenes, Total | -- | 5 UJ | 5 UJ | 27 J | 120 J |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | 20 | 11 U | 12 U | 13 J | 81 J |
| Acenaphthylene | -- | 11 U | 12 U | 3.0 J | 38 J |
| Acetophenone | -- | NA | NA | NA | NA |
| Anthracene | 50 | 11 U | 12 U | 2.0 J | 280 U |
| Atrazine | 7.5 | NA | NA | NA | NA |
| Benzaldehyde | -- | NA | NA | NA | NA |
| Benzo(a)anthracene | 0.002 | 11 U | 12 U | 21 U | 280 U |
| Benzo(a)pyrene | ND | 11 U | 12 U | 21 U | 280 U |
| Benzo(b)fluoranthene | 0.002 | 11 U | 12 U | 21 U | 280 U |
| Benzo(g,h,i)perylene | -- | 11 U | 12 U | 21 U | 280 U |
| Benzo(k)fluoranthene | 0.002 | 11 U | 12 U | 21 U | 280 U |
| Benzoic acid | -- | NA | NA | NA | NA |
| Benzyl alcohol | -- | 11 U | 12 U | 21 U | 280 U |
| Biphenyl, 1,1'- | 5 | NA | NA | NA | NA |
| Bis(2-chloroethoxy)methane | 5 | 11 U | 12 U | 21 U | 280 U |
| Bis(2-chloroethyl)ether | 1 | 11 U | 12 U | 21 U | 280 U |
| Bis(2-ethylhexyl)phthalate | 5 | 11 U | 12 U | 21 U | 280 U |
| Bromophenyl phenyl ether, 4- | -- | 11 U | 12 U | 21 U | 280 U |
| Butyl benzyl phthalate | 50 | 11 U | 12 U | 21 U | 280 U |
| Caprolactam | -- | NA | NA | NA | NA |
| Carbazole | -- | 11 U | 12 U | 21 U | 280 U |
| Chloro-3-methylphenol, 4- | -- | 11 U | 12 U | 21 U | 280 U |
| Chloroaniline, 4- | 5 | 11 U | 12 U | 21 U | 280 U |
| Chloronaphthalene, 2- | 10 | 11 U | 12 U | 21 U | 280 U |
| Chlorophenol, 2- | -- | 11 U | 12 U | 21 U | 280 U |
| Chlorophenyl phenyl ether, 4- | -- | 11 U | 12 U | 21 U | 280 U |
| Chrysene | 0.002 | 11 U | 12 U | 21 U | 280 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|---|---|
| | | CGMW-19 CH4 CGMW-19-CH4I 74.6 to 74.85 -66.1 to -66.35 5/4/2005 | CGMW-19 CH6 CGMW-19-CH6D 115.6 to 115.85 -107.1 to -107.35 5/4/2005 | CGMW-22 CH1 CGMW-22-CH1S 11.73 to 11.98 -5.68 to -5.93 5/5/2005 | CGMW-22 CH5 CGMW-22-CH5I 63.9 to 64.15 -57.85 to -58.1 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Dibenzo(a,h)anthracene | -- | 11 U | 12 U | 21 U | 280 U |
| Dibenzofuran | -- | 11 U | 12 U | 21 U | 280 U |
| Dichlorobenzene, 1,2- | 3 | 11 U | 12 U | 21 U | 280 U |
| Dichlorobenzene, 1,3- | 3 | 11 U | 12 U | 21 U | 280 U |
| Dichlorobenzene, 1,4- | 3 | 11 U | 12 U | 21 U | 280 U |
| Dichlorobenzidine, 3,3- | 5 | 22 U | 24 U | 43 U | 570 U |
| Dichlorophenol, 2,4- | 5 | 11 U | 12 U | 21 U | 280 U |
| Diethyl phthalate | 50 | 11 U | 12 U | 21 U | 280 U |
| Dimethylphenol, 2,4- | 50 | 11 U | 12 U | 21 U | 280 U |
| Dimethyl phthalate | 50 | 11 U | 12 U | 21 U | 280 U |
| Di-n-butyl phthalate | 50 | 11 U | 12 U | 21 U | 280 U |
| Di-n-octyl phthalate | 50 | 11 U | 12 U | 21 U | 280 U |
| Dinitro-2-methylphenol, 4,6- | -- | 56 U | 60 U | 110 UJ | 1,400 UJ |
| Dinitrophenol, 2,4- | 10 | 56 UJ | 60 UJ | 110 UJ | 1,400 UJ |
| Dinitrotoluene, 2,4- | 5 | 11 U | 12 U | 21 U | 280 U |
| Dinitrotoluene, 2,6- | 5 | 11 U | 12 U | 21 U | 280 U |
| Fluoranthene | 50 | 11 U | 12 U | 21 U | 280 U |
| Fluorene | 50 | 11 U | 12 U | 7.0 J | 39 J |
| Hexachlorobenzene | 0.04 | 11 U | 12 U | 21 U | 280 U |
| Hexachlorobutadiene | 0.5 | 11 U | 12 U | 21 U | 280 U |
| Hexachlorocyclopentadiene | 5 | 11 U | 12 U | 21 UJ | 280 UJ |
| Hexachloroethane | 5 | 11 U | 12 U | 21 U | 280 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 11 U | 12 U | 21 U | 280 U |
| Isophorone | 50 | 11 U | 12 U | 21 U | 280 U |
| Methylnaphthalene, 2- | -- | 11 U | 12 U | 31 | 290 |
| Methylphenol, 2- | -- | 11 U | 12 U | 21 U | 280 U |
| Methylphenol, 4- | -- | 11 U | 12 U | 21 U | 280 U |
| Naphthalene | 10 | 11 U | 12 U | 88 | 1,200 |
| Nitroaniline, 2- | 5 | 56 U | 60 U | 110 U | 1,400 U |
| Nitroaniline, 3- | 5 | 56 U | 60 U | 110 U | 1,400 U |
| Nitroaniline, 4- | 5 | 22 U | 24 U | 43 U | 570 U |
| Nitrobenzene | 0.4 | 11 U | 12 U | 21 U | 280 U |
| Nitrophenol, 2- | -- | 11 U | 12 U | 21 U | 280 U |
| Nitrophenol, 4- | -- | 56 U | 60 U | 110 U | 1,400 U |
| N-Nitrosodi-n-propylamine | -- | 11 U | 12 U | 21 U | 280 U |
| N-Nitrosodiphenylamine | 50 | 11 U | 12 U | 21 U | 280 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 11 U | 12 U | 21 U | 280 U |
| Pentachlorophenol | 1 | 56 U | 60 U | 110 U | 1,400 U |
| Phenanthrene | 50 | 11 U | 12 U | 10 J | 39 J |
| Phenol | 1 | 11 U | 12 U | 21 U | 280 U |
| Pyrene | 50 | 11 U | 12 U | 21 U | 280 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Remedial Investigation | | | |
|--|--|---|---|---|---|
| | | CGMW-19 CH4 CGMW-19-CH4I 74.6 to 74.85 -66.1 to -66.35 5/4/2005 | CGMW-19 CH6 CGMW-19-CH6D 115.6 to 115.85 -107.1 to -107.35 5/4/2005 | CGMW-22 CH1 CGMW-22-CH1S 11.73 to 11.98 -5.68 to -5.93 5/5/2005 | CGMW-22 CH5 CGMW-22-CH5I 63.9 to 64.15 -57.85 to -58.1 5/5/2005 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | NA | NA | NA | NA |
| Tetrachlorophenol, 2,3,4,6- | -- | NA | NA | NA | NA |
| Trichlorobenzene, 1,2,4- | 5 | 11 U | 12 U | 21 U | 280 U |
| Trichlorophenol, 2,4,5- | -- | 56 U | 60 U | 110 U | 1,400 U |
| Trichlorophenol, 2,4,6- | -- | 11 U | 12 U | 21 U | 280 U |
| Pesticides | | | | | |
| Aldrin | ND | NA | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA | NA |
| Endrin | ND | NA | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA | NA |
| Metals | | | | | |
| Arsenic | 25 | 7.50 J | 3.90 U | 12.9 J | 7.70 J |
| Barium | 1,000 | 114 J | 110 J | 55.2 J | 704 |
| Cadmium | 5 | 1.10 U | 1.10 U | 1.30 J | 2.00 J |
| Chromium | 50 | 10.9 | 1.30 U | 1.30 U | 1.30 U |
| Lead | 25 | 12.6 J | 3.00 UJ | 3.00 UJ | 3.00 U |
| Mercury | 0.7 | 0.400 U | 0.400 U | 0.400 U | 0.400 U |
| Selenium | 10 | 5.00 U | 5.00 U | 5.00 U | 5.00 U |
| Silver | 50 | 1.10 U | 1.10 U | 1.10 U | 1.10 U |
| Total Cyanide | | | | | |
| Cyanide, Total | 200 | 10 U | 10 U | 10 U | 10 UB |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGMW-23 CGMW-23 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-23 CGMW-XX_06_10_15 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-27 CGMW-27 3.00 to 13.00 9.55 to -0.45 6/11/2015 |
| Volatile Organic Compounds | | | | |
| Acetone | 50 | 5.0 U | 5.0 U | 8.2 |
| Benzene | 1 | 0.15 J | 0.28 J | 0.22 J |
| Bromochloromethane | 5 | 1.0 U | 1.0 U | 1.0 U |
| Bromodichloromethane | 50 | 1.0 U | 1.0 U | 1.0 U |
| Bromoform | 50 | 1.0 U | 1.0 U | 1.0 U |
| Bromomethane | 5 | 1.0 UJ | 1.0 UJ | 1.0 UJ |
| Butanone, 2- | 50 | 5.0 U | 5.0 U | 2.4 J |
| Carbon disulfide | -- | 1.0 U | 1.0 U | 1.0 U |
| Carbon tetrachloride | 5 | 1.0 U | 1.0 U | 1.0 U |
| Chlorobenzene | 5 | 1.0 U | 1.0 U | 1.0 U |
| Chloroethane | 5 | 1.0 U | 1.0 U | 1.0 U |
| Chloroform | 7 | 1.0 U | 1.0 U | 1.0 U |
| Chloromethane | 5 | 1.0 UJ | 1.0 UJ | 1.0 UJ |
| Cyclohexane | -- | 1.0 UJ | 1.0 UJ | 1.0 UJ |
| Dibromochloromethane | 50 | 1.0 U | 1.0 U | 1.0 U |
| Dibromo-3-chloropropane, 1,2- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dibromoethane, 1,2- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,2- | 3 | 1.0 U | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,3- | 3 | 1.0 U | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,4- | 3 | 1.0 U | 1.0 U | 1.0 U |
| Dichlorodifluoromethane | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethane, 1,1- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethane, 1,2- | 0.6 | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethene, 1,1- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethene, cis-1,2- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethene, trans-1,2- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Dichloropropane, 1,2- | 1 | 1.0 U | 1.0 U | 1.0 U |
| Dichloropropene, cis-1,3- | 0.4 | 1.0 U | 1.0 U | 1.0 U |
| Dichloropropene, trans-1,3- | 0.4 | 1.0 U | 1.0 U | 1.0 U |
| Dioxane, 1,4- | -- | 50 U | 50 U | 50 U |
| Ethylbenzene | 5 | 0.67 J | 1.3 | 1.0 U |
| Hexanone, 2- | 50 | 5.0 U | 5.0 U | 5.0 U |
| Isopropylbenzene | 5 | 1.0 U | 0.58 J | 1.0 U |
| Methyl acetate | -- | 5.0 U | 5.0 U | 5.0 U |
| Methyl-2-pentanone, 4- | -- | 5.0 U | 5.0 U | 5.0 U |
| Methyl tert-butyl ether | -- | 1.0 U | 1.0 U | 1.0 U |
| Methylcyclohexane | -- | 1.0 UJ | 1.0 UJ | 1.0 UJ |
| Methylene chloride | 5 | 1.0 U | 1.0 U | 1.0 U |
| Styrene | 5 | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethane, 1,1,2,2- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethene | 5 | 1.0 U | 1.0 U | 1.0 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGMW-23 CGMW-23 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-23 CGMW-XX_06_10_15 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-27 CGMW-27 3.00 to 13.00 9.55 to -0.45 6/11/2015 |
| Volatile Organic Compounds (continued) | | | | |
| Toluene | 5 | 1.0 U | 0.31 J | 1.0 U |
| Trichlorobenzene, 1,2,3- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Trichlorobenzene, 1,2,4- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethane, 1,1,1- | 5 | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethane, 1,1,2- | 1 | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethene | 5 | 1.0 U | 1.0 U | 1.0 U |
| Trichlorofluoromethane | 5 | 1.0 U | 1.0 U | 1.0 U |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | 1.0 UJ | 1.0 UJ | 1.0 UJ |
| Vinyl acetate | -- | NA | NA | NA |
| Vinyl chloride | 2 | 1.0 U | 1.0 U | 1.0 U |
| Xylene, m,p- | 5 | 1.4 J | 3.2 J | 1.0 U |
| Xylene, o- | 5 | 4.9 J | 11 J | 1.0 U |
| Xylenes, Total | -- | NA | NA | NA |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | 20 | 100 U | 210 U | 11 U |
| Acenaphthylene | -- | 100 U | 210 U | 11 U |
| Acetophenone | -- | 100 UJ | 140 J | 11 U |
| Anthracene | 50 | 100 U | 210 U | 11 U |
| Atrazine | 7.5 | 20 U | 42 U | 2.2 U |
| Benzaldehyde | -- | 100 U | 210 U | 11 U |
| Benzo(a)anthracene | 0.002 | 10 U | 21 U | 1.1 U |
| Benzo(a)pyrene | ND | 10 U | 21 U | 1.1 U |
| Benzo(b)fluoranthene | 0.002 | 10 U | 21 U | 1.1 U |
| Benzo(g,h,i)perylene | -- | 100 U | 210 U | 11 U |
| Benzo(k)fluoranthene | 0.002 | 10 U | 21 U | 1.1 U |
| Benzoic acid | -- | NA | NA | NA |
| Benzyl alcohol | -- | NA | NA | NA |
| Biphenyl, 1,1'- | 5 | 100 UJ | 210 UJ | 11 U |
| Bis(2-chloroethoxy)methane | 5 | 100 U | 210 U | 11 U |
| Bis(2-chloroethyl)ether | 1 | 10 U | 21 U | 1.1 U |
| Bis(2-ethylhexyl)phthalate | 5 | 20 U | 42 U | 2.2 U |
| Bromophenyl phenyl ether, 4- | -- | 100 U | 210 U | 11 U |
| Butyl benzyl phthalate | 50 | 100 U | 210 U | 11 U |
| Caprolactam | -- | 100 U | 210 U | 11 U |
| Carbazole | -- | 100 U | 210 U | 11 U |
| Chloro-3-methylphenol, 4- | -- | 100 U | 210 U | 11 U |
| Chloroaniline, 4- | 5 | 100 U | 210 U | 11 U |
| Chloronaphthalene, 2- | 10 | 100 U | 210 U | 11 U |
| Chlorophenol, 2- | -- | 100 U | 210 U | 11 U |
| Chlorophenyl phenyl ether, 4- | -- | 100 U | 210 U | 11 U |
| Chrysene | 0.002 | 20 U | 42 U | 2.2 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGMW-23 CGMW-23 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-23 CGMW-XX_06_10_15 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-27 CGMW-27 3.00 to 13.00 9.55 to -0.45 6/11/2015 |
| Semivolatile Organic Compounds (continued) | | | | |
| Dibenzo(a,h)anthracene | -- | 10 U | 21 U | 1.1 UJ |
| Dibenzofuran | -- | 100 U | 210 U | 11 U |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA |
| Dichlorobenzidine, 3,3- | 5 | 100 U | 210 U | 11 U |
| Dichlorophenol, 2,4- | 5 | 100 U | 210 U | 11 U |
| Diethyl phthalate | 50 | 100 U | 210 U | 11 U |
| Dimethylphenol, 2,4- | 50 | 100 U | 210 U | 11 U |
| Dimethyl phthalate | 50 | 100 U | 210 U | 11 U |
| Di-n-butyl phthalate | 50 | 100 U | 210 U | 11 UJ |
| Di-n-octyl phthalate | 50 | 100 U | 210 U | 11 U |
| Dinitro-2-methylphenol, 4,6- | -- | 200 U | 420 U | 22 U |
| Dinitrophenol, 2,4- | 10 | 200 U | 420 U | 22 UJ |
| Dinitrotoluene, 2,4- | 5 | 20 U | 42 U | 2.2 U |
| Dinitrotoluene, 2,6- | 5 | 20 U | 42 U | 2.2 U |
| Fluoranthene | 50 | 100 U | 210 U | 11 UJ |
| Fluorene | 50 | 100 U | 210 U | 11 U |
| Hexachlorobenzene | 0.04 | 10 U | 21 U | 1.1 U |
| Hexachlorobutadiene | 0.5 | 10 U | 21 U | 1.1 U |
| Hexachlorocyclopentadiene | 5 | 100 U | 210 U | 11 U |
| Hexachloroethane | 5 | 10 U | 21 U | 1.1 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 10 U | 21 U | 1.1 U |
| Isophorone | 50 | 100 U | 210 U | 11 U |
| Methylnaphthalene, 2- | -- | 100 U | 76 J | 11 U |
| Methylphenol, 2- | -- | 100 U | 210 U | 11 U |
| Methylphenol, 4- | -- | 100 U | 210 U | 11 U |
| Naphthalene | 10 | 100 U | 210 U | 11 U |
| Nitroaniline, 2- | 5 | 100 U | 210 U | 11 U |
| Nitroaniline, 3- | 5 | 100 U | 210 U | 11 U |
| Nitroaniline, 4- | 5 | 100 U | 210 U | 11 U |
| Nitrobenzene | 0.4 | 10 U | 21 U | 1.1 U |
| Nitrophenol, 2- | -- | 100 U | 210 U | 11 U |
| Nitrophenol, 4- | -- | 200 U | 420 U | 22 U |
| N-Nitrosodi-n-propylamine | -- | 10 U | 21 U | 1.1 U |
| N-Nitrosodiphenylamine | 50 | 100 U | 210 U | 11 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 100 U | 210 U | 11 U |
| Pentachlorophenol | 1 | 200 U | 420 U | 22 U |
| Phenanthrene | 50 | 100 U | 210 U | 11 U |
| Phenol | 1 | 100 U | 210 U | 11 U |
| Pyrene | 50 | 100 U | 210 U | 11 UJ |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | |
|--|--|--|---|---|
| | | CGMW-23 CGMW-23 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-23 CGMW-XX_06_10_15 17.00 to 27.00 7.44 to -2.56 6/10/2015 | CGMW-27 CGMW-27 3.00 to 13.00 9.55 to -0.45 6/11/2015 |
| Semivolatile Organic Compounds (continued) | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | 100 U | 210 U | 11 U |
| Tetrachlorophenol, 2,3,4,6- | -- | 100 U | 210 U | 11 U |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA |
| Trichlorophenol, 2,4,5- | -- | 100 U | 210 U | 11 U |
| Trichlorophenol, 2,4,6- | -- | 100 U | 210 U | 11 U |
| Pesticides | | | | |
| Aldrin | ND | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA |
| Endrin | ND | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA |
| Metals | | | | |
| Arsenic | 25 | 14.7 J | 13.3 J | 12.4 J |
| Barium | 1,000 | 43.8 J | 39.8 J | 239 |
| Cadmium | 5 | 4.00 U | 4.00 U | 4.00 U |
| Chromium | 50 | 10.0 U | 10.0 U | 10.0 U |
| Lead | 25 | 19.9 | 16.9 | 20.7 |
| Mercury | 0.7 | 0.200 U | 0.200 U | 0.200 U |
| Selenium | 10 | 20.0 U | 20.0 U | 20.0 U |
| Silver | 50 | 10.0 U | 10.0 U | 10.0 U |
| Total Cyanide | | | | |
| Cyanide, Total | 200 | 30 B | 27 UB | 16 UB |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Sample Date: | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | | |
|-----------------------------------|---|--|-------------------------------------|---------------|-----------------|----------------|
| | | | CGMW-29 | CGMW-32 | CGMW-40 | CGMW-44 |
| | | | CGMW-29 | CGMW-32 | CGMW-40 | CGMW-44 |
| | | | 3.00 to 13.00 | 2.00 to 12.00 | 10.00 to 20.00 | 10.00 to 20.00 |
| | | | 5.93 to -4.07 | 3.24 to -6.76 | -2.11 to -12.11 | 4.86 to -5.14 |
| | | | 6/11/2015 | 6/11/2015 | 7/28/2015 | 6/11/2015 |
| Volatile Organic Compounds | | | | | | |
| Acetone | | 50 | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Benzene | | 1 | 1.0 U | 1.0 U | 0.28 J | 1.0 U |
| Bromochloromethane | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Bromodichloromethane | | 50 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Bromoform | | 50 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Bromomethane | | 5 | 1.0 UJ | 1.0 UJ | 1.0 U | 1.0 UJ |
| Butanone, 2- | | 50 | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Carbon disulfide | | -- | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Carbon tetrachloride | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Chlorobenzene | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Chloroethane | | 5 | 1.0 U | 1.0 U | 1.0 UJ | 1.0 U |
| Chloroform | | 7 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Chloromethane | | 5 | 1.0 UJ | 1.0 UJ | 1.0 U | 1.0 UJ |
| Cyclohexane | | -- | 0.76 J | 1.0 UJ | 1.1 | 1.0 UJ |
| Dibromochloromethane | | 50 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dibromo-3-chloropropane, 1,2- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dibromoethane, 1,2- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,2- | | 3 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,3- | | 3 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,4- | | 3 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichlorodifluoromethane | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethane, 1,1- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethane, 1,2- | | 0.6 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethene, 1,1- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethene, cis-1,2- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloroethene, trans-1,2- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloropropane, 1,2- | | 1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloropropene, cis-1,3- | | 0.4 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dichloropropene, trans-1,3- | | 0.4 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Dioxane, 1,4- | | -- | 50 U | 50 U | 50 U | 50 U |
| Ethylbenzene | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Hexanone, 2- | | 50 | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Isopropylbenzene | | 5 | 1.0 U | 1.0 U | 0.56 J | 1.0 U |
| Methyl acetate | | -- | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Methyl-2-pentanone, 4- | | -- | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Methyl tert-butyl ether | | -- | 4.2 | 0.33 J | 0.97 J | 1.0 U |
| Methylcyclohexane | | -- | 1.5 J | 1.0 UJ | 1.1 | 1.0 UJ |
| Methylene chloride | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Styrene | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethane, 1,1,1,2,2- | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Tetrachloroethene | | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-29 CGMW-29 3.00 to 13.00 5.93 to -4.07 6/11/2015 | CGMW-32 CGMW-32 2.00 to 12.00 3.24 to -6.76 6/11/2015 | CGMW-40 CGMW-40 10.00 to 20.00 -2.11 to -12.11 7/28/2015 | CGMW-44 CGMW-44 10.00 to 20.00 4.86 to -5.14 6/11/2015 |
| Volatile Organic Compounds (continued) | | | | | |
| Toluene | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichlorobenzene, 1,2,3- | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichlorobenzene, 1,2,4- | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethane, 1,1,1- | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethane, 1,1,2- | 1 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichloroethene | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Trichlorofluoromethane | 5 | 1.0 U | 1.0 U | 1.0 UJ | 1.0 U |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 5 | 1.0 UJ | 1.0 UJ | 1.0 U | 1.0 UJ |
| Vinyl acetate | -- | NA | NA | NA | NA |
| Vinyl chloride | 2 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Xylene, m,p- | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Xylene, o- | 5 | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Xylenes, Total | -- | NA | NA | NA | NA |
| Semivolatile Organic Compounds | | | | | |
| Acenaphthene | 20 | 10 U | 11 U | 11 U | 11 U |
| Acenaphthylene | -- | 10 U | 11 U | 11 U | 11 U |
| Acetophenone | -- | 10 U | 11 U | 11 U | 11 U |
| Anthracene | 50 | 10 U | 11 U | 11 U | 11 U |
| Atrazine | 7.5 | 2.1 U | 2.2 U | 2.3 U | 2.2 U |
| Benzaldehyde | -- | 10 U | 11 U | 11 UJ | 11 U |
| Benzo(a)anthracene | 0.002 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Benzo(a)pyrene | ND | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Benzo(b)fluoranthene | 0.002 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Benzo(g,h,i)perylene | -- | 10 U | 11 U | 11 U | 11 U |
| Benzo(k)fluoranthene | 0.002 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Benzoic acid | -- | NA | NA | NA | NA |
| Benzyl alcohol | -- | NA | NA | NA | NA |
| Biphenyl, 1,1'- | 5 | 10 U | 11 U | 11 U | 11 U |
| Bis(2-chloroethoxy)methane | 5 | 10 U | 11 U | 11 U | 11 U |
| Bis(2-chloroethyl)ether | 1 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Bis(2-ethylhexyl)phthalate | 5 | 2.1 U | 6.2 | 2.3 U | 2.2 U |
| Bromophenyl phenyl ether, 4- | -- | 10 U | 11 U | 11 U | 11 U |
| Butyl benzyl phthalate | 50 | 10 U | 4.2 J | 11 U | 11 U |
| Caprolactam | -- | 10 U | 11 U | 11 UJ | 11 U |
| Carbazole | -- | 10 U | 11 U | 11 U | 11 U |
| Chloro-3-methylphenol, 4- | -- | 10 U | 11 U | 11 U | 11 U |
| Chloroaniline, 4- | 5 | 10 U | 11 U | 11 U | 11 U |
| Chloronaphthalene, 2- | 10 | 10 U | 11 U | 11 U | 11 U |
| Chlorophenol, 2- | -- | 10 U | 11 U | 11 U | 11 U |
| Chlorophenyl phenyl ether, 4- | -- | 10 U | 11 U | 11 U | 11 U |
| Chrysene | 0.002 | 2.1 U | 2.2 U | 2.3 U | 2.2 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-29 CGMW-29 3.00 to 13.00 5.93 to -4.07 6/11/2015 | CGMW-32 CGMW-32 2.00 to 12.00 3.24 to -6.76 6/11/2015 | CGMW-40 CGMW-40 10.00 to 20.00 -2.11 to -12.11 7/28/2015 | CGMW-44 CGMW-44 10.00 to 20.00 4.86 to -5.14 6/11/2015 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Dibenzo(a,h)anthracene | -- | 1.0 U | 1.1 UJ | 1.1 U | 1.1 UJ |
| Dibenzofuran | -- | 10 U | 11 U | 11 U | 11 U |
| Dichlorobenzene, 1,2- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,3- | 3 | NA | NA | NA | NA |
| Dichlorobenzene, 1,4- | 3 | NA | NA | NA | NA |
| Dichlorobenzidine, 3,3- | 5 | 10 U | 11 U | 11 U | 11 U |
| Dichlorophenol, 2,4- | 5 | 10 U | 2.2 J | 11 U | 11 U |
| Diethyl phthalate | 50 | 10 U | 11 U | 11 U | 11 U |
| Dimethylphenol, 2,4- | 50 | 10 U | 11 U | 11 U | 11 U |
| Dimethyl phthalate | 50 | 10 U | 11 U | 11 U | 11 U |
| Di-n-butyl phthalate | 50 | 10 U | 11 UJ | 11 U | 11 UJ |
| Di-n-octyl phthalate | 50 | 10 U | 11 U | 11 U | 11 U |
| Dinitro-2-methylphenol, 4,6- | -- | 21 U | 22 U | 23 U | 22 U |
| Dinitrophenol, 2,4- | 10 | 21 U | 22 UJ | 23 U | 22 UJ |
| Dinitrotoluene, 2,4- | 5 | 2.1 U | 2.2 U | 2.3 U | 2.2 U |
| Dinitrotoluene, 2,6- | 5 | 2.1 U | 2.2 U | 2.3 U | 2.2 U |
| Fluoranthene | 50 | 10 U | 11 UJ | 11 U | 11 UJ |
| Fluorene | 50 | 10 U | 11 U | 11 U | 11 U |
| Hexachlorobenzene | 0.04 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Hexachlorobutadiene | 0.5 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Hexachlorocyclopentadiene | 5 | 10 U | 11 U | 11 U | 11 U |
| Hexachloroethane | 5 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Isophorone | 50 | 10 U | 11 U | 11 U | 11 U |
| Methylnaphthalene, 2- | -- | 10 U | 11 U | 11 U | 11 U |
| Methylphenol, 2- | -- | 10 U | 11 U | 11 U | 11 U |
| Methylphenol, 4- | -- | 10 U | 11 U | 11 U | 11 U |
| Naphthalene | 10 | 10 U | 11 U | 11 U | 11 U |
| Nitroaniline, 2- | 5 | 10 U | 11 U | 11 U | 11 U |
| Nitroaniline, 3- | 5 | 10 U | 11 U | 11 U | 11 U |
| Nitroaniline, 4- | 5 | 10 U | 11 U | 11 U | 11 U |
| Nitrobenzene | 0.4 | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| Nitrophenol, 2- | -- | 10 U | 11 U | 11 U | 11 U |
| Nitrophenol, 4- | -- | 21 U | 22 U | 23 U | 22 U |
| N-Nitrosodi-n-propylamine | -- | 1.0 U | 1.1 U | 1.1 U | 1.1 U |
| N-Nitrosodiphenylamine | 50 | 10 U | 11 U | 11 UJ | 11 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 10 U | 11 U | 11 UJ | 11 U |
| Pentachlorophenol | 1 | 21 U | 22 U | 23 UJ | 22 U |
| Phenanthrene | 50 | 10 U | 11 U | 11 U | 11 U |
| Phenol | 1 | 10 U | 11 U | 11 U | 11 U |
| Pyrene | 50 | 10 U | 11 UJ | 11 UJ | 11 UJ |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | | | |
|--|--|---|---|--|--|
| | | CGMW-29 CGMW-29 3.00 to 13.00 5.93 to -4.07 6/11/2015 | CGMW-32 CGMW-32 2.00 to 12.00 3.24 to -6.76 6/11/2015 | CGMW-40 CGMW-40 10.00 to 20.00 -2.11 to -12.11 7/28/2015 | CGMW-44 CGMW-44 10.00 to 20.00 4.86 to -5.14 6/11/2015 |
| Semivolatile Organic Compounds (continued) | | | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | 10 U | 11 U | 11 U | 11 U |
| Tetrachlorophenol, 2,3,4,6- | -- | 10 U | 11 U | 11 U | 11 U |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA | NA | NA |
| Trichlorophenol, 2,4,5- | -- | 10 U | 11 U | 11 U | 11 U |
| Trichlorophenol, 2,4,6- | -- | 10 U | 11 U | 11 U | 11 U |
| Pesticides | | | | | |
| Aldrin | ND | NA | NA | NA | NA |
| BHC, alpha- | 0.01 | NA | NA | NA | NA |
| BHC, beta- | 0.04 | NA | NA | NA | NA |
| BHC, delta- | 0.04 | NA | NA | NA | NA |
| BHC, gamma- | 0.05 | NA | NA | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA | NA |
| Endosulfan, alpha- | -- | NA | NA | NA | NA |
| Endosulfan, beta- | -- | NA | NA | NA | NA |
| Endosulfan sulfate | -- | NA | NA | NA | NA |
| Endrin | ND | NA | NA | NA | NA |
| Endrin aldehyde | 5 | NA | NA | NA | NA |
| Endrin ketone | 5 | NA | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA | NA |
| Metals | | | | | |
| Arsenic | 25 | 15.0 U | 25.3 | 15.0 U | 15.0 U |
| Barium | 1,000 | 903 | 247 | 353 | 446 |
| Cadmium | 5 | 4.00 U | 4.00 U | 4.00 U | 4.00 U |
| Chromium | 50 | 10.0 U | 10.0 U | 10.0 U | 5.40 J |
| Lead | 25 | 10.0 U | 10.0 U | 10.0 U | 10.0 U |
| Mercury | 0.7 | 0.200 U | 0.200 U | 0.200 U | 0.200 U |
| Selenium | 10 | 20.0 U | 20.0 U | 20.0 U | 20.0 U |
| Silver | 50 | 10.0 U | 10.0 U | 10.0 U | 10.0 U |
| Total Cyanide | | | | | |
| Cyanide, Total | 200 | 24 UB | 35 B | 13 | 10 UJB |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Sample Date: | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | |
|-----------------------------------|---|--|---|---|
| | | | CGMW-46 CGMW-46 9.00 to 19.00 2.28 to -7.72 6/11/2015 | CGMW-47 CGMW-47 8.00 to 18.00 0.32 to -9.68 6/11/2015 |
| Volatile Organic Compounds | | | | |
| Acetone | | 50 | 5.0 U | 5.0 U |
| Benzene | | 1 | 1.0 U | 1.0 U |
| Bromochloromethane | | 5 | 1.0 U | 1.0 U |
| Bromodichloromethane | | 50 | 1.0 U | 1.0 U |
| Bromoform | | 50 | 1.0 U | 1.0 U |
| Bromomethane | | 5 | 1.0 UJ | 1.0 UJ |
| Butanone, 2- | | 50 | 5.0 U | 5.0 U |
| Carbon disulfide | | -- | 1.0 U | 1.0 U |
| Carbon tetrachloride | | 5 | 1.0 U | 1.0 U |
| Chlorobenzene | | 5 | 1.0 U | 1.0 U |
| Chloroethane | | 5 | 1.0 U | 1.0 U |
| Chloroform | | 7 | 1.0 U | 1.0 U |
| Chloromethane | | 5 | 1.0 UJ | 1.0 UJ |
| Cyclohexane | | -- | 1.0 UJ | 1.0 UJ |
| Dibromochloromethane | | 50 | 1.0 U | 1.0 U |
| Dibromo-3-chloropropane, 1,2- | | 5 | 1.0 U | 1.0 U |
| Dibromoethane, 1,2- | | 5 | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,2- | | 3 | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,3- | | 3 | 1.0 U | 1.0 U |
| Dichlorobenzene, 1,4- | | 3 | 1.0 U | 1.0 U |
| Dichlorodifluoromethane | | 5 | 1.0 U | 1.0 U |
| Dichloroethane, 1,1- | | 5 | 1.0 U | 1.0 U |
| Dichloroethane, 1,2- | | 0.6 | 1.0 U | 1.0 U |
| Dichloroethene, 1,1- | | 5 | 1.0 U | 1.0 U |
| Dichloroethene, cis-1,2- | | 5 | 1.0 U | 4.0 |
| Dichloroethene, trans-1,2- | | 5 | 1.0 U | 0.23 J |
| Dichloropropane, 1,2- | | 1 | 1.0 U | 1.0 U |
| Dichloropropene, cis-1,3- | | 0.4 | 1.0 U | 1.0 U |
| Dichloropropene, trans-1,3- | | 0.4 | 1.0 U | 1.0 U |
| Dioxane, 1,4- | | -- | 50 U | 50 U |
| Ethylbenzene | | 5 | 1.0 U | 1.0 U |
| Hexanone, 2- | | 50 | 5.0 U | 5.0 U |
| Isopropylbenzene | | 5 | 1.0 U | 1.0 U |
| Methyl acetate | | -- | 5.0 U | 5.0 U |
| Methyl-2-pentanone, 4- | | -- | 5.0 U | 5.0 U |
| Methyl tert-butyl ether | | -- | 1.0 U | 1.0 U |
| Methylcyclohexane | | -- | 1.0 UJ | 1.0 UJ |
| Methylene chloride | | 5 | 1.0 U | 1.0 U |
| Styrene | | 5 | 1.0 U | 1.0 U |
| Tetrachloroethane, 1,1,2,2- | | 5 | 1.0 U | 1.0 U |
| Tetrachloroethene | | 5 | 1.0 U | 1.0 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Sample Date: | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | |
|---|---|--|---|---|
| | | | CGMW-46 CGMW-46 9.00 to 19.00 2.28 to -7.72 6/11/2015 | CGMW-47 CGMW-47 8.00 to 18.00 0.32 to -9.68 6/11/2015 |
| Volatile Organic Compounds (continued) | | | | |
| Toluene | | 5 | 1.0 U | 1.0 U |
| Trichlorobenzene, 1,2,3- | | 5 | 1.0 U | 1.0 U |
| Trichlorobenzene, 1,2,4- | | 5 | 1.0 U | 1.0 U |
| Trichloroethane, 1,1,1- | | 5 | 1.0 U | 1.0 U |
| Trichloroethane, 1,1,2- | | 1 | 1.0 U | 1.0 U |
| Trichloroethene | | 5 | 1.0 U | 0.46 J |
| Trichlorofluoromethane | | 5 | 1.0 U | 1.0 U |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | | 5 | 1.0 UJ | 1.0 UJ |
| Vinyl acetate | | -- | NA | NA |
| Vinyl chloride | | 2 | 1.0 U | 1.0 U |
| Xylene, m,p- | | 5 | 1.0 U | 1.0 U |
| Xylene, o- | | 5 | 1.0 U | 1.0 U |
| Xylenes, Total | | -- | NA | NA |
| Semivolatile Organic Compounds | | | | |
| Acenaphthene | | 20 | 11 U | 11 U |
| Acenaphthylene | | -- | 11 U | 11 U |
| Acetophenone | | -- | 11 U | 11 U |
| Anthracene | | 50 | 11 U | 11 U |
| Atrazine | | 7.5 | 2.2 U | 2.3 U |
| Benzaldehyde | | -- | 11 U | 11 U |
| Benzo(a)anthracene | | 0.002 | 1.1 U | 1.1 U |
| Benzo(a)pyrene | | ND | 1.1 U | 1.1 U |
| Benzo(b)fluoranthene | | 0.002 | 1.1 U | 1.1 U |
| Benzo(g,h,i)perylene | | -- | 11 U | 11 U |
| Benzo(k)fluoranthene | | 0.002 | 1.1 U | 1.1 U |
| Benzoic acid | | -- | NA | NA |
| Benzyl alcohol | | -- | NA | NA |
| Biphenyl, 1,1'- | | 5 | 11 U | 11 U |
| Bis(2-chloroethoxy)methane | | 5 | 11 U | 11 U |
| Bis(2-chloroethyl)ether | | 1 | 1.1 U | 1.1 U |
| Bis(2-ethylhexyl)phthalate | | 5 | 2.2 U | 2.3 U |
| Bromophenyl phenyl ether, 4- | | -- | 11 U | 11 U |
| Butyl benzyl phthalate | | 50 | 11 U | 11 U |
| Caprolactam | | -- | 11 U | 11 U |
| Carbazole | | -- | 11 U | 11 U |
| Chloro-3-methylphenol, 4- | | -- | 11 U | 11 U |
| Chloroaniline, 4- | | 5 | 11 U | 11 U |
| Chloronaphthalene, 2- | | 10 | 11 U | 11 U |
| Chlorophenol, 2- | | -- | 11 U | 11 U |
| Chlorophenyl phenyl ether, 4- | | -- | 11 U | 11 U |
| Chrysene | | 0.002 | 2.2 U | 2.3 U |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Sample Date: | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | |
|---|---|--|---|---|
| | | | CGMW-46 CGMW-46 9.00 to 19.00 2.28 to -7.72 6/11/2015 | CGMW-47 CGMW-47 8.00 to 18.00 0.32 to -9.68 6/11/2015 |
| Semivolatile Organic Compounds (continued) | | | | |
| Dibenzo(a,h)anthracene | -- | -- | 1.1 UJ | 1.1 UJ |
| Dibenzofuran | -- | -- | 11 U | 11 U |
| Dichlorobenzene, 1,2- | 3 | 3 | NA | NA |
| Dichlorobenzene, 1,3- | 3 | 3 | NA | NA |
| Dichlorobenzene, 1,4- | 3 | 3 | NA | NA |
| Dichlorobenzidine, 3,3- | 5 | 5 | 11 U | 11 U |
| Dichlorophenol, 2,4- | 5 | 5 | 11 U | 11 U |
| Diethyl phthalate | 50 | 50 | 11 U | 11 U |
| Dimethylphenol, 2,4- | 50 | 50 | 11 U | 11 U |
| Dimethyl phthalate | 50 | 50 | 11 U | 11 U |
| Di-n-butyl phthalate | 50 | 50 | 11 UJ | 11 UJ |
| Di-n-octyl phthalate | 50 | 50 | 11 U | 11 U |
| Dinitro-2-methylphenol, 4,6- | -- | -- | 22 U | 23 U |
| Dinitrophenol, 2,4- | 10 | 10 | 22 UJ | 23 UJ |
| Dinitrotoluene, 2,4- | 5 | 5 | 2.2 U | 2.3 U |
| Dinitrotoluene, 2,6- | 5 | 5 | 2.2 U | 2.3 U |
| Fluoranthene | 50 | 50 | 11 UJ | 11 UJ |
| Fluorene | 50 | 50 | 11 U | 11 U |
| Hexachlorobenzene | 0.04 | 0.04 | 1.1 U | 1.1 U |
| Hexachlorobutadiene | 0.5 | 0.5 | 1.1 U | 1.1 U |
| Hexachlorocyclopentadiene | 5 | 5 | 11 U | 11 U |
| Hexachloroethane | 5 | 5 | 1.1 U | 1.1 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 0.002 | 1.1 U | 1.1 U |
| Isophorone | 50 | 50 | 11 U | 11 U |
| Methylnaphthalene, 2- | -- | -- | 11 U | 11 U |
| Methylphenol, 2- | -- | -- | 11 U | 11 U |
| Methylphenol, 4- | -- | -- | 11 U | 11 U |
| Naphthalene | 10 | 10 | 11 U | 11 U |
| Nitroaniline, 2- | 5 | 5 | 11 U | 11 U |
| Nitroaniline, 3- | 5 | 5 | 11 U | 11 U |
| Nitroaniline, 4- | 5 | 5 | 11 U | 11 U |
| Nitrobenzene | 0.4 | 0.4 | 1.1 U | 1.1 U |
| Nitrophenol, 2- | -- | -- | 11 U | 11 U |
| Nitrophenol, 4- | -- | -- | 22 U | 23 U |
| N-Nitrosodi-n-propylamine | -- | -- | 1.1 U | 1.1 U |
| N-Nitrosodiphenylamine | 50 | 50 | 11 U | 11 U |
| Oxybis(1-Chloropropane), 2,2'- | 5 | 5 | 11 U | 11 U |
| Pentachlorophenol | 1 | 1 | 22 U | 23 U |
| Phenanthrene | 50 | 50 | 11 U | 11 U |
| Phenol | 1 | 1 | 11 U | 11 U |
| Pyrene | 50 | 50 | 11 UJ | 11 UJ |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: Location ID: Sample ID: Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter | New York State Class GA Ambient Water Quality Standard or Guidance Value ³ | Supplemental Remedial Investigation | |
|--|--|---|---|
| | | CGMW-46 CGMW-46 9.00 to 19.00 2.28 to -7.72 6/11/2015 | CGMW-47 CGMW-47 8.00 to 18.00 0.32 to -9.68 6/11/2015 |
| Semivolatile Organic Compounds (continued) | | | |
| Tetrachlorobenzene, 1,2,4,5- | 10 | 11 U | 11 U |
| Tetrachlorophenol, 2,3,4,6- | -- | 11 U | 11 U |
| Trichlorobenzene, 1,2,4- | 5 | NA | NA |
| Trichlorophenol, 2,4,5- | -- | 11 U | 11 U |
| Trichlorophenol, 2,4,6- | -- | 11 U | 11 U |
| Pesticides | | | |
| Aldrin | ND | NA | NA |
| BHC, alpha- | 0.01 | NA | NA |
| BHC, beta- | 0.04 | NA | NA |
| BHC, delta- | 0.04 | NA | NA |
| BHC, gamma- | 0.05 | NA | NA |
| Chlordane, alpha- | 0.05 | NA | NA |
| Chlordane, gamma- | 0.05 | NA | NA |
| DDD, 4,4'- | 0.3 | NA | NA |
| DDE, 4,4'- | 0.2 | NA | NA |
| DDT, 4,4'- | 0.2 | NA | NA |
| Dieldrin | 0.004 | NA | NA |
| Endosulfan, alpha- | -- | NA | NA |
| Endosulfan, beta- | -- | NA | NA |
| Endosulfan sulfate | -- | NA | NA |
| Endrin | ND | NA | NA |
| Endrin aldehyde | 5 | NA | NA |
| Endrin ketone | 5 | NA | NA |
| Heptachlor | 0.04 | NA | NA |
| Heptachlor epoxide | 0.03 | NA | NA |
| Methoxychlor | 35 | NA | NA |
| Toxaphene | 0.06 | NA | NA |
| Metals | | | |
| Arsenic | 25 | 15.0 U | 17.0 |
| Barium | 1,000 | 218 | 158 J |
| Cadmium | 5 | 4.00 U | 4.00 U |
| Chromium | 50 | 10.0 U | 10.0 U |
| Lead | 25 | 10.0 U | 10.0 U |
| Mercury | 0.7 | 0.200 U | 0.200 U |
| Selenium | 10 | 20.0 U | 20.0 U |
| Silver | 50 | 10.0 U | 10.0 U |
| Total Cyanide | | | |
| Cyanide, Total | 200 | 10 UJB | 10 UJB |

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Groundwater sample data summarized in this table for monitoring wells CGMW-06S, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22 were originally presented in Table 12 of the *Final Remedial Investigation Report* (GEI 2005).
2. Sample concentrations are presented in units of micrograms per liter ($\mu\text{g/L}$).
3. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
4. New York State Class GA (groundwater) ambient water quality standards and guidance values are from the New York State Department of Environmental Conservation's Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, titled *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998).
5. Bolded sample concentrations denote detected parameters.
6. Gray shading denotes sample concentrations that exceed the applicable New York State Class GA ambient water quality standards or guidance values.
7. --: No applicable standard or guidance value is listed in TOGS 1.1.1 for this parameter.
8. bgs: below ground surface.
9. NA: not analyzed.
10. ND: non-detect.

Data Qualifiers:

1. B: Parameter was also detected in the associated method blank.
2. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
3. R: Sample result has been rejected.
4. U: Parameter was not detected in the sample. The reported concentration is the RL.
5. UB: Parameter is considered non-detect at the listed value due to associated blank contamination.
6. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Remedial Investigation |
|---------------------------------------|----------------------------------|------------------------|
| | Location ID: | CGMW-06I |
| | Sample ID: | CGMW-6I_11_05_04 |
| | Screened Interval (feet bgs): | 60.00 to 70.00 |
| | Screened Interval (feet NAVD88): | -49.33 to -59.33 |
| | Sample Date: | 11/5/2004 |
| Volatile Organic Compounds | | |
| Acetone | | 310 U |
| Benzene | | 210 |
| Bromodichloromethane | | 120 U |
| Bromoform | | 120 U |
| Bromomethane | | 120 U |
| Butanone, 2- | | 120 U |
| Carbon disulfide | | 120 U |
| Carbon tetrachloride | | 120 U |
| Chlorobenzene | | 120 U |
| Chloroethane | | 120 U |
| Chloroform | | 120 U |
| Chloromethane | | 120 U |
| Dibromochloromethane | | 120 U |
| Dichloroethane, 1,1- | | 120 U |
| Dichloroethane, 1,2- | | 120 U |
| Dichloroethene, 1,1- | | 120 U |
| Dichloroethene, cis-1,2- | | 120 U |
| Dichloroethene, trans-1,2- | | 120 U |
| Dichloropropane, 1,2- | | 120 U |
| Dichloropropene, cis-1,3- | | 120 U |
| Dichloropropene, trans-1,3- | | 120 U |
| Ethylbenzene | | 220 |
| Hexanone, 2- | | 120 U |
| Methyl-2-pentanone, 4- | | 120 U |
| Methylene chloride | | 120 UJB |
| Styrene | | 690 |
| Tetrachloroethane, 1,1,2,2- | | 120 U |
| Tetrachloroethene | | 120 U |
| Toluene | | 370 |
| Trichloroethane, 1,1,1- | | 120 U |
| Trichloroethane, 1,1,2- | | 120 U |
| Trichloroethene | | 120 U |
| Vinyl chloride | | 120 U |
| Xylenes, Total | | 1,100 |
| Semivolatile Organic Compounds | | |
| Acenaphthene | | 5,900 U |
| Acenaphthylene | | 550 J |
| Anthracene | | 4,300 |
| Benzo(a)anthracene | | 1,800 J |
| Benzo(a)pyrene | | 840 J |
| Benzo(b)fluoranthene | | 720 J |

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Parameter | Investigation: | Remedial Investigation |
|--|----------------------------------|------------------------|
| | Location ID: | CGMW-06I |
| | Sample ID: | CGMW-6I_11_05_04 |
| | Screened Interval (feet bgs): | 60.00 to 70.00 |
| | Screened Interval (feet NAVD88): | -49.33 to -59.33 |
| | Sample Date: | 11/5/2004 |
| Semivolatle Organic Compounds (continued) | | |
| Benzo(g,h,i)perylene | | 2,400 U |
| Benzo(k)fluoranthene | | 280 J |
| Benzyl alcohol | | 440 J |
| Bis(2-chloroethoxy)methane | | 2,400 U |
| Bis(2-chloroethyl)ether | | 2,400 U |
| Bis(2-ethylhexyl)phthalate | | 2,400 U |
| Bromophenyl phenyl ether, 4- | | 2,400 U |
| Butyl benzyl phthalate | | 2,400 U |
| Carbazole | | 2,400 U |
| Chloro-3-methylphenol, 4- | | 2,400 U |
| Chloroaniline, 4- | | 2,400 U |
| Chloronaphthalene, 2- | | 2,400 U |
| Chlorophenol, 2- | | 2,400 U |
| Chlorophenyl phenyl ether, 4- | | 2,400 U |
| Chrysene | | 850 J |
| Dibenzo(a,h)anthracene | | 2,400 U |
| Dibenzofuran | | 2,400 U |
| Dichlorobenzene, 1,2- | | 2,400 U |
| Dichlorobenzene, 1,3- | | 2,400 U |
| Dichlorobenzene, 1,4- | | 2,400 U |
| Dichlorobenzidine, 3,3- | | 2,400 U |
| Dichlorophenol, 2,4- | | 2,400 U |
| Diethyl phthalate | | 2,400 U |
| Dimethylphenol, 2,4- | | 2,400 U |
| Dimethyl phthalate | | 2,400 U |
| Di-n-butyl phthalate | | 2,400 U |
| Di-n-octyl phthalate | | 2,400 U |
| Dinitro-2-methylphenol, 4,6- | | 5,900 UJ |
| Dinitrophenol, 2,4- | | 5,900 UJ |
| Dinitrotoluene, 2,4- | | 2,400 U |
| Dinitrotoluene, 2,6- | | 2,400 U |
| Fluoranthene | | 1,800 J |
| Fluorene | | 2,100 J |
| Hexachlorobenzene | | 2,400 U |
| Hexachlorobutadiene | | 2,400 U |
| Hexachlorocyclopentadiene | | 2,400 UJ |
| Hexachloroethane | | 2,400 U |
| Indeno(1,2,3-cd)pyrene | | 2,400 U |
| Isophorone | | 2,400 U |
| Methylnaphthalene, 2- | | 8,300 |
| Methylphenol, 2- | | 2,400 U |

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

| Investigation: | Remedial Investigation |
|---|------------------------|
| Location ID: | CGMW-06I |
| Sample ID: | CGMW-6I_11_05_04 |
| Screened Interval (feet bgs): | 60.00 to 70.00 |
| Screened Interval (feet NAVD88): | -49.33 to -59.33 |
| Parameter | Sample Date: |
| Sample Date: | 11/5/2004 |
| Semivolatile Organic Compounds (continued) | |
| Methylphenol, 4- | 2,400 U |
| Naphthalene | 13,000 |
| Nitroaniline, 2- | 5,900 U |
| Nitroaniline, 3- | 5,900 U |
| Nitroaniline, 4- | 2,400 U |
| Nitrobenzene | 2,400 U |
| Nitrophenol, 2- | 2,400 U |
| Nitrophenol, 4- | 5,900 U |
| N-Nitrosodi-n-propylamine | 2,400 U |
| N-Nitrosodiphenylamine | 2,400 U |
| Oxybis(1-Chloropropane), 2,2'- | 2,400 U |
| Pentachlorophenol | 5,900 U |
| Phenanthrene | 6,300 |
| Phenol | 2,400 U |
| Pyrene | 2,100 J |
| Trichlorobenzene, 1,2,4- | 2,400 U |
| Trichlorophenol, 2,4,5- | 5,900 U |
| Trichlorophenol, 2,4,6- | 2,400 U |
| Miscellaneous | |
| Specific Gravity (unitless) | 1.1 |
| Viscosity, Kinematic (cSt) | 27.33 |

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Dense non-aqueous phase liquid (DNAPL) sample data summarized in this table for monitoring well CGMW-06I were originally presented in Table 15 of the *Final Remedial Investigation Report* (GEI 2005).
2. Unless indicated otherwise, sample concentrations are presented in units of milligrams per kilogram (mg/kg).
3. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
4. Bolded sample concentrations denote detected parameters.
5. bgs: below ground surface.
6. cSt: centiStokes.

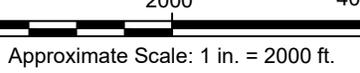
Data Qualifiers:

1. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
2. U: Parameter was not detected in the sample. The reported concentration is the RL.
3. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.
4. B: Parameter was also detected in the associated method blank

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., BROOKLYN, NY, 2013, AND JERSEY CITY, NY-NJ, 2014.



NATIONAL GRID
FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
DATA SUMMARY REPORT FOR OFF-SITE AREA

SITE LOCATION MAP



FIGURE
1



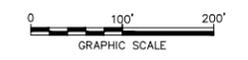
LEGEND:

- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012 (PARCELS I AND II)
- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012B (PARCEL III)
- LIMIT OF STATE SUPERFUND SITE NO. 224012 (PARCEL IV)
- - - APPROXIMATE LIMIT OF OFF-SITE INVESTIGATION AREA
- · · PROPERTY LINE (APPROXIMATE)



NOTES:

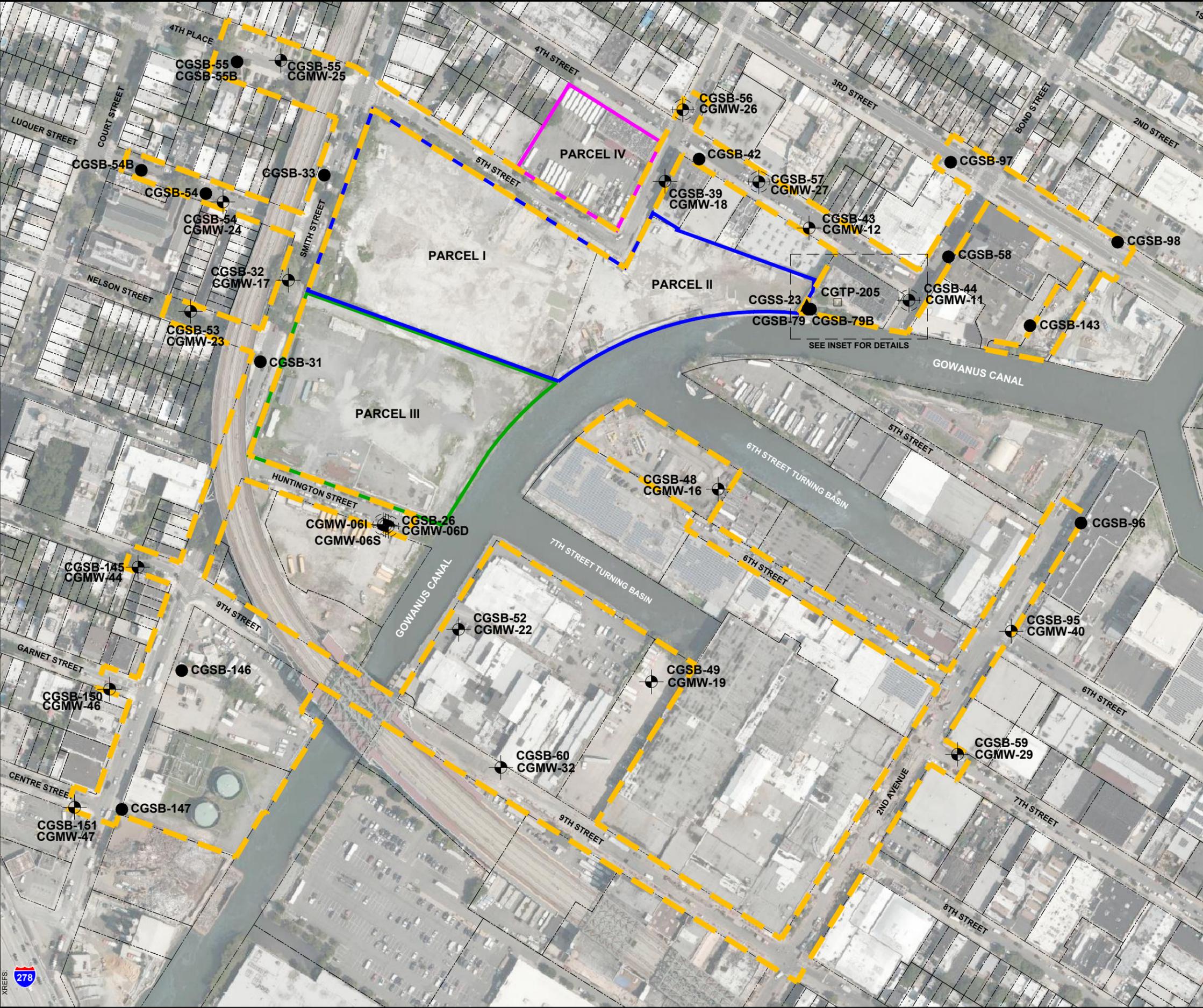
1. HORIZONTAL REFERENCE DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE EAST ZONE.
2. AERIAL IMAGE PROVIDED BY BING MAPS.
3. PARCEL BOUNDARIES DOWNLOADED FROM GIS OPEN DATA PORTAL, REVISED JULY 7, 2021 www.data.cityofnewyork.us



NATIONAL GRID
 FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
 BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
DATA SUMMARY REPORT FOR OFF-SITE AREA

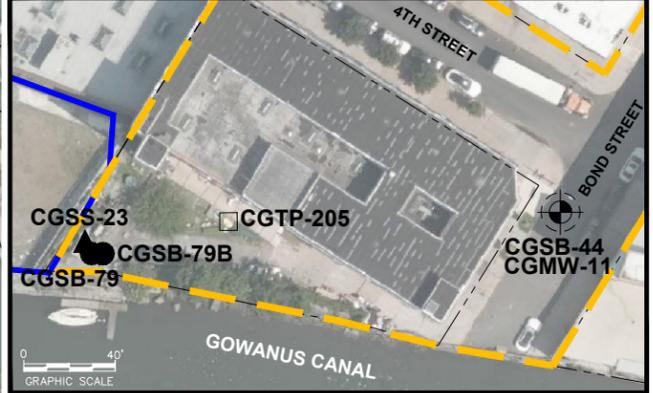
**PLAN OF SITE AND
 OFF-SITE AREA**



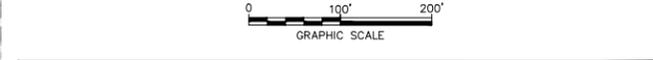


LEGEND:

- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012 (PARCELS I AND II)
- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012B (PARCEL III)
- LIMIT OF STATE SUPERFUND SITE NO. 224012 (PARCEL IV)
- APPROXIMATE LIMIT OF OFF-SITE INVESTIGATION AREA
- PROPERTY LINE (APPROXIMATE)
- CGSS-23** ▲ SURFACE SOIL SAMPLE
- CGSB-31** ● SOIL BORING
- CGTP-205** □ TEST PIT
- CGMW-17** ⊕ EXISTING MONITORING WELL
- CGMW-26** ⊕ FORMER MONITORING WELL



- NOTES:**
1. HORIZONTAL REFERENCE DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE EAST ZONE.
 2. AERIAL IMAGE PROVIDED BY BING MAPS.
 3. PARCEL BOUNDARIES DOWNLOADED FROM GIS OPEN DATA PORTAL, REVISED JULY 7, 2021 www.data.cityofnewyork.us



NATIONAL GRID
 FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
 BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
DATA SUMMARY REPORT FOR OFF-SITE AREA

OFF-SITE INVESTIGATION PLAN

Attachments

Attachment A

Soil Boring, Well Construction, and Test Pit Logs

Site Id: CGMW-06D



GEI Consultants, Inc.

| | | | |
|--|----------------------------------|---------------------------------|--------------------------|
| Client: KeySpan Corporation | | | |
| Project Number: 982482-8-1903 | Project Name: Citizens Gas Works | Date Started: 04/30/03 | Date Completed: 05/01/03 |
| Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram | | Ground Elevation: 10.54' | Datum: NAVD 88 |
| | | Contractor: Prosonic | Total Depth: 140.00' |
| | | Drilling Method: Resonant Sonic | |
| | | Logged By: Melissa Wells | Certified By: Katie Amos |

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description | Analyzed Sample Interval | Lithology | Vis. Signs of Contamination | Odors | Elevation (ft.) | |
|--------------------------------|--------------------|------------|---------|---|--|--------------------------|-----------|-----------------------------|----------|-----------------|--|
| | | | | | color, density, SOIL, admixture, moisture, other notes, ORIGIN. | | | | | | |
| 3-7 | NA | 100 | | 0.0-3.0: | Cleared by hand due to utility concerns. | | | | NONE | 10 | |
| | | | | 3.0-5.0: | Light brown, medium to coarse SAND, trace gravel, loose, non-cohesive, no visual impacts, no odors. (SP) | | | | | | |
| | | | 7.5 ppm | 5.0-7.0: | Brown, FILL, medium sand, trace gravel, trace coal fragments, trace ash, loose, non-cohesive, black staining, moderate petroleum-like odor. (FI) | | | + | | | |
| 7-17 | NA | 15 | 446 ppm | 7.0-17.0: | Dark brown, wet, medium SAND, some coarse sand, trace gravel, loose, non-cohesive, spotty sheen, moderate petroleum-like odor. (SP) | | | + | | | |
| | | | | CGMW-06S is a shallow monitoring well, part of CGMW-06 well cluster. CGMW-06S WELL CONSTRUCTION; Measuring Point Elevation 10.07' for 3.0-0.0 Grout 7.0-3.0 Seal 22.0-7.0 Sand 20.0-10.0 Screen 22.0-20.0 Sump | | | | | | | |
| | | | | | | | | + | MODERATE | 0 | |

Legend: Physical Observations

- None
- Lenses, Grain Coatings and Blebs
- Tar Saturated
- Stain
- Interbedded Tar Layers



Client: KeySpan Corporation

Project Number: 982482-8-1903 Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03 Date Completed: 05/01/03

Ground Elevation: 10.54' Datum: NAVD 88

Contractor: Prosonic Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|---------|-------------|--|--------------------------|-----------|-----------------------|-------|----------------|-------------------|
| 17-27 | NA | 100 | | 17.0-18.0: | Reddish brown, moist, SILT, trace gravel, dense, cohesive, no visual impacts, no odors. (ML) | | | + | | | |
| | | | 8 ppm | 18.0-23.0: | Gray, moist, CLAY, trace organics and shells, dense, cohesive, no visual impacts, no odors. (OH) | | | + | | | |
| | | | | 23.0-26.5: | Brown, moist, SILT, trace clay, dense, cohesive, no visual impacts, no odors. (ML) | | | | NONE | -10 | |
| | | | 5.4 ppm | 26.5-27.0: | Brown, wet, medium SAND, loose, non-cohesive, no visual impacts, no odors. (SP) | | | | | | |
| 27-37 | NA | 100 | | 27.0-32.5: | Brown, wet, medium SAND, loose, non-cohesive, heavily tar coated, strong tar-like odor. (SP) | | | | | | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903 Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03 Date Completed: 05/01/03

Ground Elevation: 10.54' Datum: NAVD 88

Contractor: Prosonic Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|---------|-------------|---|--------------------------|-----------|-----------------------|--------|----------------|-------------------|
| 37-47 | NA | 100 | 481 ppm | | | 31.0-32.0 | | | STRONG | -20 | |
| | | | 411 ppm | 32.5-34.5: | Wet, medium SAND with layers of silt, loose, semi-cohesive, sandy layers are tar coated, strong tar-like odor. (SM) | | | | | | |
| | | | 7.1 ppm | 34.5-43.5: | Brown and gray brown, wet, medium to coarse SAND, loose, non-cohesive, no visual impacts, no odors. (SP) | | | | | | |
| | | | 4.4 ppm | 40 | | | | | NONE | -30 | |
| | | | | 43.5-47.0: | Brown, wet, fine SAND and SILT, moderately dense, semi-cohesive, no visual impacts, no odors. (SM) | | | | | | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903

Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03

Date Completed: 05/01/03

Ground Elevation: 10.54'

Datum: NAVD 88

Contractor: Prosonic

Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells

Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|---------|-------------|--|--------------------------|-----------|-----------------------|--------|----------------|-------------------|
| 67-77 | NA | 50 | 631 ppm | 70 | <p>CGMW-06I is an intermediate monitoring well, part of CGMW-06 well cluster. CGMW-06I WELL CONSTRUCTION: Measuring Point Elevation 10.31' tor 52.0-0.0 Grout 56.0-52.0 Seal 72.0-56.0 Sand 70.0-60.0 Screen 72.0-70.0 Sump</p> <p>67.0-68.0: Brown, wet, SILT, little to some clay, soft, cohesive, plastic, no visual impacts, faint naphthalene odor. (ML) 68.0-77.0: Tan to Brown, fine to medium SAND, trace silt, non-cohesive, loose, no visual impacts, faint naphthalene odor. (SP)</p> | 64.0-64.5 | | | STRONG | -50 | |
| | | | | | | | | Faint | -60 | | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903

Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03

Date Completed: 05/01/03

Ground Elevation: 10.54'

Datum: NAVD 88

Contractor: Prosonic

Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells

Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|---------------------|-------------|--|--------------------------|-----------|-----------------------|----------|----------------|-------------------|
| 77-87 | NA | 100 | 22.1 ppm 137 ppm | 77.0-80.0: | Brown, wet, coarse SAND, some fine gravel, loose, non-cohesive, poorly-sorted, sheen. (SW) | | | + | | | |
| | | | | 80.0-81.5: | Brown, wet, fine to medium SAND, trace silt, loose, non-cohesive, moderate tar coating at 81.5, moderate tar-like odor. (SP) | | | + | MODERATE | -70 | |
| | | | 740 ppm | 81.5-87.0: | Brown, wet, fine SAND, trace silt, loose, non-cohesive, no visual impacts, no odor. (SP) | | | | | | |
| | | | | | | | | | NONE | | |
| | | | 128 ppm | 87.0-89.0: | Brown, wet, medium SAND, loose, non-cohesive, well-sorted, no visual impacts, no odors. (SP) | | | | | | |
| 87-97 | NA | 100 | | 89.0-96.0: | Brown, wet, TILL, SILT, some gravel, cobbles, sand, and clay, dense, cohesive, no visual impacts, no odors. (M) | | | | | | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903 Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03 Date Completed: 05/01/03

Ground Elevation: 10.54' Datum: NAVD 88

Contractor: Prosonic Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|----------|-------------|---|--------------------------|-----------|-----------------------|-------|----------------|-------------------|
| | | | 51 ppm | | | | | | | -80 | |
| 97-118 | NA | 100 | 51.5 ppm | 96.0-97.0: | Brown, wet, medium SAND, trace gravel, loose, non-cohesive, no visual impacts, no odors. (SP) | | | | NONE | | |
| | | | | 97.0-127.0: | Brown and gray, wet, fine to medium SAND, loose, non-cohesive, no visual impacts, no odor. (SP) | | | | | -90 | |
| | | | 31.5 ppm | | | | | | | | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903 Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03 Date Completed: 05/01/03

Ground Elevation: 10.54' Datum: NAVD 88

Contractor: Prosonic Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction | |
|-----------------------------------|--------------------|------------|---------|-------------|---|--------------------------|-----------|-----------------------|-------|----------------|-------------------|--|
| | | | | | | | | | | | | |
| 118-140 | NA | 100 | 0.6 ppm | 110 | 97.0-127.0: Brown and gray, wet, fine to medium SAND, loose, non-cohesive, no visual impacts, no odor. (SP) | | | | NONE | -100 | | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903 Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03 Date Completed: 05/01/03

Ground Elevation: 10.54' Datum: NAVD 88

Contractor: Prosonic Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|---------|-------------|---|--------------------------|-----------|-----------------------|-------|----------------|-------------------|
| | | | 0.2 ppm | | CGMW-06D WELL CONSTRUCTION: Measuring Point Elevation 9.94' tor 108.8-0.0 Grout 113.5-108.8 Seal 130.0-113.5 Sand 130.0-120.0 Screen 132.0-130.0 Sump | 122-123 | | | NONE | -110 | |
| | | | 0.7 ppm | 130 | 127.0-138.0: Gray, wet, CLAY, trace organics and shells, very dense, cohesive, no visual impacts, no odors. (CH) | | | | | -120 | |

Legend: Physical

Observations



None



Stain



Lenses, Grain Coatings and Blebs



Interbedded Tar Layers



Tar Saturated

Site Id: CGMW-06D



GEI Consultants, Inc.

Client: KeySpan Corporation

Project Number: 982482-8-1903 Project Name: Citizens Gas Works

Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram

Date Started: 04/30/03 Date Completed: 05/01/03

Ground Elevation: 10.54' Datum: NAVD 88

Contractor: Prosonic Total Depth: 140.00'

Drilling Method: Resonant Sonic

Logged By: Melissa Wells Certified By: Katie Amos

| Split Spoon Sample Depth (ft.) | Blows Per 6 Inches | Recovery % | PID | Depth (ft.) | Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN. | Analyzed Sample Interval | Lithology | Physical Observations | Odors | Elevation (ft) | Well Construction |
|--------------------------------|--------------------|------------|---------|-------------|---|--------------------------|-----------|-----------------------|-------|----------------|-------------------|
| | | | 0.3 ppm | | | | | | | | |
| | | | | 138.0-140.0 | Brown, wet, coarse SAND, some gravel, loose, non-cohesive, poorly-sorted, no visual impacts, no odors. (SW) | | | | NONE | | |
| | | | | 140.0 | End of boring. | | | | | -130 | |

Legend: Physical

Observations



None



Lenses, Grain Coatings and Blebs



Tar Saturated



Stain



Interbedded Tar Layers



GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

CLIENT: KeySpan Corporation
PROJECT NAME: Carroll Gardens/Public Place
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 982482 - 8

BORING LOG
PAGE
1 of 2
CGSB-31

BORING ID: CGSB-31 LOCATION: Smith & 5th Street
GROUND SURFACE ELEVATION (FT): 19.40 TOTAL DEPTH (FT): 48.00
NORTHING: 631569.83 EASTING: 671545.51 VERT. DATUM: NAVD 88
DRILLED BY: Prosonic Ben Grim HOR. DATUM: NAD83 NY East Zone
LOGGED BY: L. Willey DATE START / END: 12/22/2004 - 12/22/2004

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|--|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | |
| 0 | S1 | 4.0 | 3.0 | 0.0 | | | | | 0 - 4 brown fine SAND, trace-little fill, concrete and asphalt chunks, coarse gravel, dry, non-cohesive, non-plastic, loose, no odors or visual impacts. |
| 4 | S2 | 4.0 | 2.0 | 0.0 | | | | | 4 - 8 brown fine SAND, traces of silt, traces of fine gravel, moist, non-cohesive, non-plastic, no odors or visual impacts. |
| 8 | S3 | 10.0 | 2.8 | 0.0 | | | | | 8 - 10.75 brown fine SAND, traces of silt, traces of fine gravel, moist, non-cohesive, non-plastic, sweet odor naphthalene-like, no visual impacts. |
| 18 | S4 | 10.0 | 8.5 | 801.0 | | | | | 18 - 20 very wet, brown fine SAND and SILT, very soft, moderate naphthalene-like odor, no visual impacts. |
| 20 | | | | | | | | CGSB-31 20-21 | 20 - 26 very wet, brown fine SAND and SILT, very soft, moderate to strong naphthalene-like odor, sheen. |
| 22 | | | | 31.9 | | | | | |

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL ppm = PARTS PER MILLION
 REC = RECOVERY LENGTH OF SAMPLE IN. = INCHES
 PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE) FT. = FEET
 NM = NOT MEASURED

NLO= NAPHTHALENE LIKE ODOR CLO= CREOSOTE LIKE ODOR
 PLO= PETROLEUM LIKE ODOR OLO= ORGANIC LIKE ODOR
 TLO= TAR LIKE ODOR SLO= SULFUR LIKE ODOR
 CLO= CHEMICAL LIKE ODOR ALO= ASPHALT LIKE ODOR
 MLO= MUSTY LIKE ODOR

- Tar Saturated
- Staining and sheen
- Tar Lenses and tar/naphtha odor
- Blebs, globs, lenses, grain-coating, sheen
- Petroleum sheen/staining odors



GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

CLIENT: KeySpan Corporation
PROJECT NAME: Nassau Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 982482-10

BORING LOG

PAGE

2 of 2

CGSB-31

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|---|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | |
| 24 | | | | | | | | | |
| 26 | | | | | | | | | 26 - 30 very wet, brown fine to medium SAND, non-cohesive, non-plastic, loose, soft, moderate naphthalene-like odor, no visual impacts. |
| 28 | | | | | | | | | |
| 30 | | | | 38 | | | | CGSB-31 30-30.5 | 30 - 30.5 damp, black PEAT and SILT, cohesive, non-plastic, trace wood fragments, moderate naphthalene-like odor, no visual impacts. |
| 32 | S5 | 8.0 | 4.5 | 0.0 | | | | | 30.5 - 31 gray SILT and fine SAND, little clay, cohesive, moist, non-plastic, no odor or visual impacts. |
| 34 | | | | 0.5 | | | | | 31 - 33.5 gray fine SAND and SILT, cohesive, non-plastic, very dense, traces of glass fragments, moist, organic-like odor, no visual impacts. |
| 36 | | | | | | | | | 33.5 - 35 brown fine SAND and SILT, cohesive, non-plastic, moderately dense, moist, no odor or visual impacts. |
| 38 | | | | 0.0 | | | | | 35 - 39 brown-gray fine-medium SAND, moist, traces of silt, well-sorted, loose, no odor or visual impacts. |
| 40 | S6 | 9.0 | 11.0 | 0.0 | | | | | 39 - 40 gray fine-medium SAND, moist, traces of silt, well-sorted, loose, no odor or visual impacts. |
| 42 | | | | | | | | | 40 - 43.5 brown fine SAND, moist-wet, traces of silt, moderately dense, cohesive, no odors or visual impacts. |
| 44 | | | | | | | | CGSB-31 47-47.5 | 43.5 - 48 brown light-brown, fine-medium SAND, little silt, little fine and coarse gravel, cohesive, moderately dense, moist, slight chemical-like odor, no visual impacts. |
| 46 | | | | 0.0 | | | | | |
| 48 | | | | | | | | | END OF BORING AT 48 FEET. |

NOTES:

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REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)
NM = NOT MEASURED

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO= NAPHTHALENE LIKE ODOR
PLO= PETROLEUM LIKE ODOR
TLO= TAR LIKE ODOR
CLO= CHEMICAL LIKE ODOR
MLO= MUSTY LIKE ODOR
CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
ALO= ASPHALT LIKE ODOR

Tar Saturated

Staining and sheen

Tar Lenses and tar/naphtha odor

Blebs, globs, lenses, grain-coating, sheen

Petroleum sheen/staining odors



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CLIENT: **KeySpan**
PROJECT NAME: **Carroll Gardens/Public Place**
CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 1 of 6
CGSB-32/CGMW-17

BORING ID: CGSB-32/CGMW-17 **LOCATION:** Smith & 5th Street
GROUND SURFACE ELEVATION (FT): 22.51 **TOTAL DEPTH (FT):** 138.00
NORTHING: 631626.9 **EASTING:** 671710.78 **VERT. DATUM:** NAVD 88
DRILLED BY: Prosonic Ben Grim **HOR. DATUM:** NAD83 NY East Zone
LOGGED BY: M. Felter **DATE START / END:** 1/27/2005 - 1/28/2005

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS | |
|-----------|--------------------|---------|---------|-----------|-------------------------|----------------|------|--------------------|--|---------------------------|--|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | | |
| 0 | S1 | 4.0 | 3.5 | 1.0 | [Cross-hatched pattern] | | | | 0 - 1 white and gray, dry rock powder, FILL, some sand and fine gravel, loose, non-cohesive, poorly sorted, no odor or visual impacts. 1 - 4 moist, brown FILL, fine-medium SAND, some fines, fine gravel, clay lens at 2.5 feet, loose, non-cohesive, poorly sorted, no odor or visual impacts. 4 - 8 moist, brown FILL, fine-medium SAND, some fines, little fine-medium gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts. 8 - 18 moist, brown FILL, fine-medium SAND, some fines, little fine-medium gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts. | [Vertical lines] | |
| 2 | | | | | | | | | | | |
| 4 | S2 | 4.0 | 2.5 | 1.3 | | | | | | | |
| 6 | | | | | | | | | | | |
| 8 | S3 | 10.0 | 8.5 | 0.9 | [Cross-hatched pattern] | | | | 18 - 28 very wet, brown fine-medium SAND, some fines, trace coarse sand, trace fine-medium gravel, moderately dense, non-cohesive, poorly sorted, no odors or visual impacts. | [Vertical lines] | |
| 10 | | | | | | | | | | | |
| 12 | | | | 0.8 | | | | | | | |
| 14 | | | | | | | | | | | |
| 16 | | | | | [Dotted pattern] | | | | | [Vertical lines] | |
| 18 | S4 | 10.0 | 7.5 | 0.6 | | | | | | | |
| 20 | | | | | | | | | | | |

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Tar saturated Staining and sheen Tar Lenses and tar/naptha odor Blebs, globs, lenses, grain-coating, sheen Petroleum sheen/staining odors



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PROJECT NAME: Carroll Gardens/Public Place
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 982482 - 8

BORING LOG

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CGSB-32/CGMW-17

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|-----------------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 22 | | | | 1 | | | | | | |
| 24 | | | | | | | | | | |
| 26 | | | | | | | | | | |
| 28 | S5 | 10.0 | 7.5 | 31.7 | | | | | 28 - 29.5 very wet, brown fine-medium SAND, some fines, trace coarse sand, trace fine-medium gravel, moderately dense, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 30 | | | | | | DTIN | CGSB-32 29.5-30 | | 29.5 - 30 dry, black stained (organic), fine SAND and SILT, trace organics (roots), dense, non-cohesive, well sorted, faint naphthalene odor, no visual impacts. | |
| 32 | | | | 0.8 | | | | | | |
| 34 | | | | | | OTIN | | | 30 - 38 wet, brownish gray fine-medium SAND, some fines, some fine-medium gravel, dense, moderately cohesive, poorly sorted, no visual impacts, faint naphthalene odor. | |
| 36 | | | | | | | | | | |
| 38 | S6 | 10.0 | 10.5 | 0.7 | | | | | 38 - 45 wet, brown TILL, SILT, some sand, little fine-medium gravel, trace cobbles, dense, moderately cohesive, poorly sorted, faint to moderate naphthalene odors, no visual impacts. | |
| 40 | | | | | | | | | | |
| 42 | | | | | | OTIN | | | | |
| 44 | | | | | | | | | | |

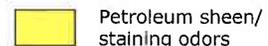
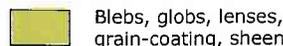
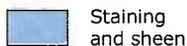
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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG

PAGE
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CGSB-32/CGMW-17

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|-----------------------------|------|--------------------------|---|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | |
| 46 | | | | 1.2 | | OTN | CGSB-32 45.5-46.5 | 45 - 47 wet, brown medium SAND, trace fines, some fine-medium gravel, trace cobbles, strong naphthalene odor, no visual impacts. | |
| 48 | S7 | 10.0 | 11.5 | 0.3 | | OTN | | 47 - 48 wet, reddish brown fine-medium SAND, trace fines, loose, non-cohesive, well-sorted, moderate naphthalene odor, no visual impacts. | |
| 50 | | | | | | OTN | | 48 - 55 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, moderate to strong naphthalene odor, no visual impacts. | |
| 52 | | | | | | OTN | | | |
| 54 | | | | | | OTN | | | |
| 56 | | | | 1.5 | | NLO | | 55 - 57 wet, brown fine SAND, some fines, loose, non-cohesive, well-sorted, moderate naphthalene odor, no visual impacts. | |
| 58 | S8 | 10.0 | 10.0 | 1.0 | | OTN | | 57 - 58 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, moderate to strong naphthalene odor, no visual impacts. | |
| 60 | | | | | | OTN | | 58 - 68 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, moderate to strong naphthalene odor, no visual impacts. | |
| 62 | | | | | | OTN | | | |
| 64 | | | | | | OTN | | | |
| 66 | | | | 0.9 | | OTN | | | |
| 68 | S9 | 10.0 | 11.0 | 1.5 | | OTN | | 68 - 69 wet, brownish gray fine-medium SAND, trace fines, trace gravel, loose, non-cohesive, well sorted, no odors, no visual impacts. | |

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- Tar saturated
- Staining and sheen
- Tar Lenses and tar/naphtha odor
- Blebs, globs, lenses, grain-coating, sheen
- Petroleum sheen/staining odors

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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 4 of 6
CGSB-32/CGMW-17

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|------------------|-------------------|------|--|----------------------------|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 70 | | | | | [Dotted pattern] | ↑ OTN ↓ | | 69 - 78 wet, brownish gray fine-medium SAND, trace fines, trace gravel, loose, non-cohesive, well sorted, faint to moderate naphthalene odor, no visual impacts. | [Well diagram] | |
| 72 | | | | | | | | | | |
| 74 | | | | | | | | | | |
| 76 | | | 3.1 | | | | | | | |
| 78 | S10 | 20.0 | 24.0 | 1.2 | [Dotted pattern] | ↑ OTN ↓ | | 78 - 80 wet, brownish gray fine-medium SAND, some fines, loose, non-cohesive, well sorted, no odors or no visual impacts. 80 - 90 wet, brownish gray fine-medium SAND, some fines, loose, non-cohesive, well sorted, faint naphthalene odor, no visual impacts. | [Well diagram] | |
| 80 | | | | | | | | | | |
| 82 | | | | | | | | | | |
| 84 | | | 1.4 | | | | | | | |
| 86 | | | | | [Dotted pattern] | ↑ OTN ↓ | | 90 - 98 wet, brownish gray fine-medium SAND, some fines, loose, non-cohesive, well sorted, no odors or no visual impacts. | [Well diagram] | |
| 88 | | | 0.8 | | | | | | | |
| 90 | | | | | | | | | | |
| 92 | | | | | | | | | | |

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Tar saturated Staining and sheen Tar Lenses and tar/naptha odor Blebs, globs, lenses, grain-coating, sheen Petroleum sheen/staining odors



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BORING LOG
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CGSB-32/CGMW-17

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 94 | | | | 0 | | | | | | |
| 96 | | | | | | | | | | |
| 98 | S11 | 20.0 | | 1.5 | | | | | 98 - 118 wet, brownish gray fine SAND, some fines, some medium sand, loose, non-cohesive, well sorted, no visual impacts or odors. | |
| 100 | | | | | | | | | | |
| 102 | | | | | | | | | | |
| 104 | | | | | | | | | | |
| 106 | | | | | | | | | | |
| 108 | | | | 0.7 | | | | | | |
| 110 | | | | 1 | | | | | | |
| 112 | | | | | | | | | | |
| 114 | | | | | | | | | | |
| 116 | | | | | | | | | | |

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 NM = NOT MEASURED ALO = ASPHALT LIKE ODOR MLO = MUSTY LIKE ODOR

Tar saturated
 Staining and sheen
 Tar Lenses and tar/naptha odor
 Blebs, globs, lenses, grain-coating, sheen
 Petroleum sheen/staining odors



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BORING LOG
 PAGE 6 of 6
CGSB-32/CGMW-17

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|------------------|----------------|-------------------|---|----------------------------|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 118 | S12 | 20.0 | 29.0 | 0.5 | [Dotted pattern] | | CGSB-32 126-126.5 | 118 - 130 wet, brownish gray fine-medium SAND, trace fines, some well rounded gravel, non-cohesive, very loose, no odor or visual impacts. | [Well casing diagram] | |
| 120 | | | | | | | | | | |
| 122 | | | | | | | | | | |
| 124 | | | | | | | | | | |
| 126 | | | | 1.2 | | | | | | |
| 128 | | | | | | | | | | |
| 130 | | | | 1.5 | [Wavy pattern] | | | 130 - 137 moist, gray CLAY, very dense, cohesive, (135-137 feet) some shells, no odor or visual impacts | | |
| 132 | | | | | | | | | | |
| 134 | | | | | | | | | | |
| 136 | | | | | | | | | | |
| 138 | | | | 1 | [Dotted pattern] | | | 137 - 138 wet, brown fine-coarse SAND, coarse sand and fine gravel, trace fines, non-cohesive, poorly sorted, loose, no odor or visual impacts. | | |

END OF BORING 138 FEET

NOTES:

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 ALO= ASPHALT LIKE ODOR

[Blue box] Tar saturated [Light blue box] Staining and sheen [Dark green box] Tar Lenses and tar/naptha odor [Yellow-green box] Blebs, globs, lenses, grain-coating, sheen [Yellow box] Petroleum sheen/staining odors



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BORING LOG
PAGE
1 of 2
CGSB-33

BORING ID: CGSB-33
GROUND SURFACE ELEVATION (FT): 28.65
NORTHING: 631699.76 EASTING: 671924.17
DRILLED BY: Prosonic Ben Grim
LOGGED BY: M. Felter

LOCATION: Smith & 5th Street
TOTAL DEPTH (FT): 48.00
VERT. DATUM: NAVD 88
HOR. DATUM: NAD83 NY East Zone
DATE START / END: 1/4/2005 - 1/4/2005

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|---|----------------------------|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | |
| 0 | S1 | 4.0 | 2.4 | 0.0 | | | | 2 - 4 moist, brown FILL, fine-medium SAND, some fines, some fine-medium gravel, loose, non-cohesive, poorly sorted, no odor or visual impacts. | |
| 2 | | | | | | | | | |
| 4 | S2 | 4.0 | 2.5 | 0.0 | | | | 4 - 6 moist, brown FILL, fine-medium SAND, some fines, some fine-medium gravel, loose, non-cohesive, poorly sorted, no odor or visual impacts. | |
| 6 | | | | | | | | 6 - 8 moist, brown FILL, fine SAND, some fines, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 8 | S3 | 10.0 | 6.0 | 0.0 | | | | 8 - 18 moist, brown FILL, fine SAND, some fines, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 10 | | | | | | | | | |
| 12 | | | | 0.0 | | | | | |
| 14 | | | | | | | | | |
| 16 | | | | | | | | | |
| 18 | S4 | 10.0 | 4.0 | 0.0 | | | | 18 - 19.5 moist, brown FILL, fine SAND, some fines, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 20 | | | | | | | | 19.5 - 22.5 moist, brown FILL, fine SAND, some fines, some fine-medium gravel, traces of brick, dense, cohesive, poorly sorted, no odors or visual impacts. | |
| 22 | | | | | | | | | |

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BORING LOG

PAGE
2 of 2
CGSB-33

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|--------------|--------------------|------------|------------|--------------|--------------------|-------------------------|---------|--------------------------|--|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | |
| 24 | | | | 137 | [Patterned Strata] | [Yellow Visual Impacts] | ↑ PLO ↓ | CGSB-33 22.5-23 | 22.5 - 28 wet, gray medium SAND, FILL, traces of fines, little fine gravel, traces of brick, loose, non-cohesive, poorly sorted, sheen, moderate petroleum-like odor, gray rock fragments in shoe, wet, sheen. |
| 26 | | | | | | | | | |
| 28 | S5 | 10.0 | 7.5 | 203.0 | [Patterned Strata] | [Yellow Visual Impacts] | ↑ PLO ↓ | CGSB-33 29-29.5 | 28 - 30 wet, gray-brown medium-coarse SAND, some fine-medium gravel, traces of fines, loose, non-cohesive, poorly sorted, moderate petroleum-like odor, sheen, yellowish-green sheen on water. |
| 30 | | | | | | | | | |
| 32 | | | | | | | | | |
| 34 | | | | 6.3 | [Patterned Strata] | [Yellow Visual Impacts] | ↑ PLO ↓ | CGSB-33 34-38 | 34 - 38 wet, gray-brown fine-coarse SAND, some fine gravel, traces of fines, loose, non-cohesive, poorly sorted, no odors or visual impacts. |
| 36 | | | | | | | | | |
| 38 | S6 | 10.0 | 10.0 | 5.2 | [Patterned Strata] | [Yellow Visual Impacts] | ↑ PLO ↓ | CGSB-33 47-48 | 38 - 48 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. |
| 40 | | | | | | | | | |
| 42 | | | | | | | | | |
| 44 | | | | | | | | | |
| 46 | | | | | | | | | |
| 48 | | | | 5.3 | | | | | END OF BORING AT 48 FEET. |

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 MLO = MUSTY LIKE ODOR

CLO = CREOSOTE LIKE ODOR
 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
 ALO = ASPHALT LIKE ODOR

[Dark Blue Box] Tar Saturated
 [Light Blue Box] Staining and sheen
 [Green Box] Tar Lenses and tar/naphtha odor
 [Yellow Box] Blebs, globs, lenses, grain-coating, sheen
 [Light Yellow Box] Petroleum sheen/staining odors



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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE **1 of 3**
CGSB-39/CGMW-18

BORING ID: **CGSB-39/CGMW-18** LOCATION: **Smith & 5th Street**
GROUND SURFACE ELEVATION (FT): **14.33** TOTAL DEPTH (FT): **78.00**
NORTHING: **632393.33** EASTING: **671911.98** VERT. DATUM: **NAVD 88**
DRILLED BY: **Prosonic Ben Grim** HOR. DATUM: **NAD83 NY East Zone**
LOGGED BY: **M. Felter** DATE START / END: **2/3/2005 - 2/3/2005**

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|----------------------------|---------------------------|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | |

| | | | | | | | | | | |
|----|----|------|------|----------------|--|--|--|-----------------|--|--|
| 0 | S1 | 4.0 | 3.0 | 0.0 | | | | CGSB-39 17.5-18 | 0 - 4 moist, brown FILL, fine SAND, some fines, trace medium sand and fine gravel, trace brick, some asphalt, no odors or visual impacts. | |
| 4 | S2 | 4.0 | 4.0 | 1.3 | | | | | 4 - 8 moist, brown to reddish brown FILL, fine SAND and SILT, varved, some medium sand, trace fine-medium gravel, moderately dense, cohesive, poorly sorted, no odors or visual impacts. | |
| 8 | S3 | 10.0 | 10.5 | 5.8 | | | | | 8 - 17 wet brown FILL, fine-medium SAND, some fine-coarse gravel, some fines, trace bricks, trace wood, loose, non-cohesive, no odor or visual impacts. | |
| 18 | S4 | 10.0 | 12.5 | 62.1 1590.0 | | | | | OTIS OTO OTO OTI | |

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL IN. = INCHES
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE) FT. = FEET
NM = NOT MEASURED

ppm = PARTS PER MILLION

NLO= NAPHTHALENE LIKE ODOR
PLO= PETROLEUM LIKE ODOR
TLO= TAR LIKE ODOR
CLO= CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

Tar saturated
 Staining and sheen
 Tar Lenses and tar/naptha odor
 Blebs, globs, lenses, grain-coating, sheen
 Petroleum sheen/staining odors



GEI Consultants, Inc.
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Suite 201
Glastonbury, CT 06033

CLIENT: **KeySpan**
PROJECT NAME: **Carroll Gardens/Public Place**
CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 2 of 3
CGSB-39/CGMW-18

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|--|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 24 | | | | | | | | CGSB-39 27-27.5 | loose, non-cohesive, well-sorted, strong naphthalene odor, heavy sheen. | |
| 26 | | | | 9999+ | | | | | 24 - 28 wet brown medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, strong naphthalene odor, no visual impacts. | |
| 28 | S5 | 10.0 | 13.0 | 53.7 | | | | | 28 - 35 wet, brown medium-coarse SAND, some fine-coarse gravel, trace fines, loose, poorly sorted, strong naphthalene odor, no visual impacts. | |
| 30 | | | | 9999+ | | | | | | |
| 32 | | | | | | | | | | |
| 34 | | | | | | | | | | |
| 36 | | | | | | | | | 35 - 38 wet, reddish brown TILL, fine SAND and SILT, little fine-coarse gravel, dense, cohesive, poorly sorted, faint naphthalene odor, slight sheen. | |
| 38 | S6 | 10.0 | 10.0 | 26.0 | | | | | 38 - 48 wet, reddish brown TILL, fine SAND and SILT, little fine-coarse gravel, dense, cohesive, poorly sorted, no odor or visual impacts. | |
| 40 | | | | | | | | | | |
| 42 | | | | 0.0 | | | | | | |
| 44 | | | | | | | | | | |
| 46 | | | | | | | | | | |
| 48 | S7 | 10.0 | 8.5 | 0.0 | | | | | 48 - 53 very wet, reddish brown TILL, fine SAND and SILT, little fine-coarse gravel, dense, cohesive, poorly sorted, very faint naphthalene odor, no visual impacts. | |
| 50 | | | | | | | | | | |

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Tar saturated Staining and sheen Tar Lenses and tar/naphtha odor Blebs, globs, lenses, grain-coating, sheen Petroleum sheen/staining odors



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BORING LOG
PAGE 3 of 3
CGSB-39/CGMW-18

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|---------------|--------------------------|---|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 52 | | | | | | | | | | |
| 54 | | | | 0.0 | | | | | 53 - 58 wet, brownish gray, medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, no odor or visual impacts. | |
| 56 | | | | | | | | | | |
| 58 | S8 | 10.0 | 12.0 | 0.0 | | | | | 58 - 64 wet, brownish gray medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, no odor or visual impacts. | |
| 60 | | | | | | | | | | |
| 62 | | | | | | | | | | |
| 64 | | | | | | | | | 64 - 68 wet, brownish gray fine SAND, some silt, loose, non-cohesive, well-sorted, no odor or visual impacts. | |
| 66 | | | | 0.0 | | | | | | |
| 68 | S9 | 10.0 | 10.0 | 0.0 | | | CGSB-39 77-78 | | 68 - 78 wet, brownish gray medium SAND, trace fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 70 | | | | | | | | | | |
| 72 | | | | | | | | | | |
| 74 | | | | | | | | | | |
| 76 | | | | 0.0 | | | | | | |
| 78 | | | | | | | | | END OF BORING 78 FEET | |

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Tar saturated
 Staining and sheen
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 Blebs, globs, lenses, grain-coating, sheen
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CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE
1 of 2
CGSB-42

BORING ID: **CGSB-42** LOCATION: **Smith & 5th Street**
GROUND SURFACE ELEVATION (FT): **16.35** TOTAL DEPTH (FT): **58.00**
NORTHING: **632462.73** EASTING: **671956.85** VERT. DATUM: **NAVD 88**
DRILLED BY: **Prosonic Ben Grim** HOR. DATUM: **NAD83 NY East Zone**
LOGGED BY: **M. Felter** DATE START / END: **12/17/2004 - 12/17/2004**

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | | | |
|-----------|--------------------|---------|---------|-----------|--------------------|----------------|--------------|--------------------|--|--|--|--|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | | | |
| 0 | S1 | 8.0 | 3.5 | 0.0 | [Patterned Strata] | | | | 0 - 8 moist, brown, FILL, SILT and fine-medium SAND, few gravel, traces of brick, moderately dense, non-cohesive, poorly sorted, no odors or visual impacts. | | | |
| 2 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 8 | S2 | 10.0 | 4.5 | 0.0 | [Patterned Strata] | | | | 10 - 11.5 moist, brown, FILL, SILT and fine-medium SAND, few gravel, traces of brick, moderately dense, non-cohesive, poorly sorted, no odors or visual impacts. | | | |
| 10 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 14 | | | | 6.4 | | | | | 11.5 - 11.75 moist, black FILL, fine sand and coal, loose, non-cohesive, no odors or visual impacts. | | | |
| 16 | | | | | | | | | 11.75 - 18 moist, grayish-brown FILL, fine-medium SAND, some fines, some gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts. | | | |
| 18 | S3 | 10.0 | 4.5 | 515.0 | [Patterned Strata] | | ↑ NM ↓ | CGSB-42 25-26 | 18 - 21 moist, brown PEAT, dense, cohesive, moderately mixed organic and naphthalene-like odor, no visual impacts. | | | |
| 20 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 26 | | | | 13.2 | [Dotted Strata] | | | | 21 - 24 wet, brownish-gray fine SAND, some fines, traces of fine gravel, loose, non-cohesive, well-sorted, faint naphthalene-like odor, no visual impacts. | | | |
| | | | | | [Dotted Strata] | | | | 24 - 28 wet, brownish-gray fine SAND, some fines, traces of fine gravel, loose, non-cohesive, well-sorted, no odors or visual impacts. | | | |

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 NM = NOT MEASURED

- Tar Saturated
- Staining and sheen
- Tar Lenses and tar/naptha odor
- Blebs, globs, lenses, grain-coating, sheen
- Petroleum sheen/staining odors

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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE
2 of 2
CGSB-42

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|--------------|--------------------|------------|------------|--------------|------------------|-------------------|------|--------------------------|--|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | |
| 28 | S4 | 10.0 | 8.0 | 122.0 | [Patterned] | [Blue] | ↑ | CGSB-42 40-40.5 | 28 - 34 very wet, gray fine-medium SAND, traces of fines, (at 30.5 feet) 2 inch layer of PEAT, very loose, non-cohesive, well-sorted, very slight sheen, faint organic odor. |
| 30 | | | | | | | | | |
| 32 | | | | | | | | | |
| 34 | | | | | [Patterned] | | ↑ | | 34 - 38 wet, brown, medium SAND, some fines, trace fine gravel, loose, non-cohesive, well-sorted, slight naphthalene-like odor, no visual impacts. |
| 36 | | | | 180 | | | | | |
| 38 | S5 | 10.0 | 6.5 | 420.0 | [Vertical Lines] | | ↑ | | 38 - 46.5 moist, brown TILL, fine-medium SAND and SILT, some gravel, dense, moderately cohesive, slight-moderate naphthalene-like odor, no visual impacts. |
| 40 | | | | | | | | | |
| 42 | | | | | | | | | |
| 44 | | | | | | | | | |
| 46 | | | | | [Patterned] | | ↑ | | 46.5 - 48 moist, gray medium-coarse SAND, traces of fines, some gravel, loose, non-cohesive, slight naphthalene-like odor, no visual impacts. |
| 48 | | | | 16 | | | | | |
| 48 | S6 | 10.0 | 8.0 | 112.0 | [Patterned] | | ↑ | | 48 - 54 wet, brown medium-coarse SAND, traces of fines, (53-54 feet) traces of gravel, slight naphthalene-like odor, no visual impacts. |
| 50 | | | | | | | | | |
| 52 | | | | | | | | | |
| 54 | | | | | [Vertical Lines] | | ↑ | | 54 - 55 moist, brown TILL, SILT and fine SAND, some fine gravel, dense, cohesive, no odors or visual impacts. |
| 56 | | | | 1.6 | | | | | |
| 58 | | | | | | | | | END OF BORING AT 58 FEET. |

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Tar Saturated
 Staining and sheen
 Tar Lenses and tar/naptha odor
 Blebs, globs, lenses, grain-coating, sheen
 Petroleum sheen/staining odors

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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 1 of 5
CGSB-43/CGMW-12

BORING ID: **CGSB-43/CGMW-12** LOCATION: **Smith & 5th Street**
GROUND SURFACE ELEVATION (FT): **9.39** TOTAL DEPTH (FT): **108.00**
NORTHING: **632686.36** EASTING: **671816.8** VERT. DATUM: **NAVD 88**
DRILLED BY: **Prosonic Ben Grim** HOR. DATUM: **NAD83 NY East Zone**
LOGGED BY: **M. Felter** DATE START / END: **12/16/2004 - 12/16/2004**

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|---|---------------------------|----------------|------|--------------------|--|---------------------------|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | |
| 0 | S1 | 4.0 | 2.5 | 1.0 | [Cross-hatched pattern] | --- | --- | CGSB-43 19.5-20 | 0 - 0.05 GRAVEL and ASPHALT. | [Cross-hatched pattern] |
| 2 | | | | 0.5 - 2 wet, brown and black FILL, gravel and sand, some fines, loose, non-cohesive, poorly sorted, no odor or visual impacts. | | | | | | |
| 4 | S2 | 4.0 | 4.0 | 0.5 | | | | | 2 - 4 wet, brown FILL, fine-medium sand, traces of gravel and fines, loose, non-cohesive, poorly sorted, no odor or visual impacts. | |
| 6 | | | | 4 - 6.5 wet, brown FILL, fine-medium sand, traces of gravel and fines, some brick, loose, non-cohesive, poorly sorted, no odor or visual impacts. | | | | | | |
| 8 | S3 | 10.0 | 7.5 | 1.5 | [Horizontal line pattern] | --- | --- | CGSB-43 19.5-20 | 6.5 - 7 moist, dark brown, FILL, CLAY and SILT, varved, dense, cohesive, moderate organic-like odor, no visual impacts. | [Horizontal line pattern] |
| 10 | | | | 7 - 8 wet, brown FILL, medium SAND, some fines, traces of brick, loose, slightly cohesive, no odor or visual impacts. | | | | | | |
| 12 | | | | 8 - 10 wet, brown FILL, medium SAND, traces of fine gravel, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | | | | | | |
| 14 | | | | 10 - 10.5 wet, brown FILL, CLAY and COBBLE, dense, cohesive, no odor or visual impacts. | | | | | | |
| 16 | | | | 0.3 | | | | | 10.5 - 18 wet, brown to gray-brown FILL, fine-medium SAND, some fine gravel and brick, some fines, loose, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 18 | S4 | 10.0 | 11.0 | 0.2 | [Dotted pattern] | | | | 18 - 18.5 wet, brown fine-medium SAND, loose, non-cohesive, well-sorted, some | [Dotted pattern] |

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 NM = NOT MEASURED ALO = ASPHALT LIKE ODOR MLO = MUSTY LIKE ODOR

Tar saturated
 Staining and sheen
 Tar Lenses and tar/naptha odor
 Blebs, globs, lenses, grain-coating, sheen
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BORING LOG
PAGE **2 of 5**
CGSB-43/CGMW-12

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|---|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 20 | | | | | | | | | finer, no odor or visual impacts. | |
| 22 | | | | | | | | | 18.5 - 25.5 moist, gray CLAY, traces of wood, dense, cohesive, well-sorted, no odor or visual impacts. | |
| 24 | | | | | | | | | | |
| 26 | | | | 0.5 | | | | | 25.5 - 28 moist, brown PEAT, some fine sand and silt, dense, cohesive, no odor or visual impacts. | |
| 28 | S5 | 10.0 | 8.0 | 0.2 | | | | | 28 - 30.5 wet, brown fine SAND, some fines, traces of gravel, moderately dense, non-cohesive, no odor or visual impacts. | |
| 30 | | | | | | | | | 30.5 - 31 moist, black CLAY, dense, cohesive, moderate organic-like odors, no visual impacts. | |
| 32 | | | | | | | | | 31 - 33 wet, brown SILT and fine SAND, few gravel, moderately dense, cohesive, no odors or visual impacts. | |
| 34 | | | | | | | | | 33 - 38 wet, brown medium-coarse SAND, traces of fines, traces of gravel, loose, non-cohesive, no odor or visual impacts. | |
| 36 | | | | 0.3 | | | | | | |
| 38 | S6 | 10.0 | 12.0 | 0.5 | | | | | 38 - 43 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 40 | | | | | | | | | | |

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BORING LOG
PAGE 3 of 5
CGSB-43/CGMW-12

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|-----------------|--------------------|--|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 42 | | | | | | | | | | |
| 44 | | | | 0.3 | | | | | 43 - 46 wet, brown, SILT and fine SAND, dense, non-cohesive, no odors or visual impacts. | |
| 46 | | | | | | | | | 46 - 48 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 48 | S7 | 10.0 | 10.0 | 0.3 | | | | | 48 - 57 wet, brown fine-medium SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 50 | | | | | | | | | | |
| 52 | | | | | | | | | | |
| 54 | | | | | | | | | | |
| 56 | | | | 46 | | | | | 57 - 58 wet, brown fine-medium SAND, some fines, loose, non-cohesive, well-sorted, traces of gravel, naphthalene-like odor, no visual impacts. | |
| 58 | S8 | 10.0 | 2.0 | 23.0 | | 01N | CGSB-43 57-57.5 | | 58 - 68 wet, brown fine-medium SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 60 | | | | | | | | | | |
| 62 | | | | | | | | | | |
| 64 | | | | | | | | | | |

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BORING LOG

PAGE
4 of 5

CGSB-43/CGMW-12

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 66 | | | | | | | | | | |
| 68 | S9 | 10.0 | 12.0 | 0.3 | | | | | 68 - 77 wet, brown TILL, fine SAND and SILT, some medium-coarse sand, some fine-medium gravel, dense, cohesive, no odor or visual impacts. | |
| 70 | | | | | | | | | | |
| 72 | | | | | | | | | | |
| 74 | | | | | | | | | | |
| 76 | | | | 0.8 | | | | | 77 - 78 wet, brown medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odor or visual impacts. | |
| 78 | S10 | 10.0 | 10.5 | 0.3 | | | | | 78 - 88 wet, brown medium SAND, some traces of coarse sand, traces of fines, (78-81 feet) traces of fine-coarse gravel, loose, non-cohesive, well-sorted, no odor or visual impacts. | |
| 80 | | | | | | | | | | |
| 82 | | | | | | | | | | |
| 84 | | | | | | | | | | |
| 86 | | | | 0.1 | | | | | | |

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 ALO= ASPHALT LIKE ODOR

Tar saturated Staining and sheen Tar Lenses and tar/naphtha odor Blebs, globs, lenses, grain-coating, sheen Petroleum sheen/staining odors



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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 5 of 5
CGSB-43/CGMW-12

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS | | | | | | |
|----------------------------|--------------------|---------|---------|-----------|------------------|----------------|-------------------|--------------------|--|---------------------------|--|--|--|--|--|--|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | | | | | | | |
| 88 | S11 | 10.0 | 10.0 | 0.1 | [Dotted pattern] | | | | 88 - 98 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | [Hatched pattern] | | | | | | |
| 90 | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | |
| 94 | | | | 0.6 | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | |
| 98 | S12 | 10.0 | 9.5 | 0.4 | [Dotted pattern] | | CGSB-43 101.5-102 | | 98 - 108 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | [Hatched pattern] | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 102 | | | | | | | | | | | | | | | | |
| 104 | | | | | | | | | | | | | | | | |
| 106 | | | | | | | | | | | | | | | | |
| 108 | | | | 0.3 | | | | | | | | | | | | |
| END OF BORING AT 108 FEET. | | | | | | | | | | | | | | | | |

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[Blue box] Tar saturated [Light blue box] Staining and sheen [Dark green box] Tar Lenses and tar/naptha odor [Yellow-green box] Blebs, globs, lenses, grain-coating, sheen [Yellow box] Petroleum sheen/staining odors



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BORING LOG

PAGE
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CGSB-44/CGMW-11

BORING ID: CGSB-44/CGMW-11 **LOCATION:** Smith & 5th Street
GROUND SURFACE ELEVATION (FT): 5.86 **TOTAL DEPTH (FT):** 108.00
NORTHING: 632889.65 **EASTING:** 671670.33 **VERT. DATUM:** NAVD 88
DRILLED BY: Prosonic Ben Grim **HOR. DATUM:** NAD83 NY East Zone
LOGGED BY: M. Felter **DATE START / END:** 12/14/2004 - 12/14/2004

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|-------------------------|----------------|------|--------------------|--|---------------------------|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | |
| 0 | S1 | 4.0 | 2.0 | 2.7 | [Cross-hatched pattern] | | | | 0 - 4 moist, brown FILL, fine-coarse SAND, some gravel, some fines, asphalt, loose, non-cohesive, poorly sorted, no odor or visual impacts. | [Cross-hatched pattern] |
| 2 | S2 | 4.0 | 1.0 | 2.2 | | | | | | |
| 4 | | | | | [Dotted pattern] | | | | 4 - 8 wet, brown FILL, fine SAND, some fines, little fine gravel, moderately dense, moderately cohesive, no odor or visual impacts. | [Cross-hatched pattern] |
| 6 | | | | | | | | | | |
| 8 | S3 | 10.0 | 12.5 | 10.0 | | | | | | |
| 10 | | | | | [Diagonal lines] | OTN | | | 8 - 9.5 wet, brown, fine SAND, some fines, trace gravel, trace layers of organic clay, no odors or visual impacts. | [Cross-hatched pattern] |
| 12 | | | | 8.6 | | | | | | |
| 14 | | | | | [Diagonal lines] | | | | 9.5 - 10.5 wet, brown, fine SAND, some fines, trace gravel, trace layers of organic clay, sheen, very slight naphthalene-like odor. | [Cross-hatched pattern] |
| 16 | | | | | | | | | | |
| 18 | S4 | 10.0 | 11.5 | 77.2 | [Diagonal lines] | | | | 10.5 - 18 wet, gray CLAY, some roots, traces of shells, traces of fine sand and silt, soft, cohesive, no odor or visual impacts. | [Cross-hatched pattern] |
| 20 | | | | | | | | | | |
| 22 | | | | | [Dotted pattern] | OSN | | | 18 - 19 wet, gray CLAY, some roots, traces of shells, traces of fine sand and silt, soft, cohesive, no odor or visual impacts. | [Cross-hatched pattern] |
| 24 | | | | | | | | | | |
| | | | | | [Dotted pattern] | | | | 19 - 22.5 wet, fine-coarse SAND, brown, some silt and clay, very loose, non-cohesive, poorly sorted, traces of organics, moderate sewage-like odor, faint naphthalene-like odor, slight sheen. | [Cross-hatched pattern] |
| | | | | | | | | | | |
| | | | | | [Diagonal lines] | | | | 22.5 - 28 moist grayish-brown CLAY, some silt and fine sand, | [Cross-hatched pattern] |
| | | | | | | | | | | |

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- Tar saturated
- Staining and sheen
- Tar Lenses and tar/naphtha odor
- Blebs, globs, lenses, grain-coating, sheen
- Petroleum sheen/staining odors

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BORING LOG
PAGE 2 of 4
CGSB-44/CGMW-11

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|---------------|--------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 26 | | | | 3.4 | | | | | traces of organics, no odor or visual impacts. | |
| 28 | S5 | 10.0 | 10.0 | 148.0 | | | | CGSB-44 32.5-33 | 28 - 29 wet, gray medium SAND, traces of fines, gravel and organics, loose, non-cohesive, no odor or visual impacts. | |
| 30 | | | | | | | | | 29 - 35 wet, brown fine-medium SAND, well-sorted, loose, non-cohesive, strong tar-like odor, moderately coated with tar, traces of tar saturated veins. | |
| 32 | | | | | | | | | | |
| 34 | | | | | | | | | | |
| 36 | | | | | | | | | 35 - 38 moist, brown fine SAND and SILT, well-sorted, loose, non-cohesive, strong tar-like odor, tar stained with trace blebs and sheen. | |
| 38 | S6 | 10.0 | 8.5 | 71.1 165.0 | | | | | 38 - 39 wet, brown fine SAND, traces of fines, loose, non-cohesive, well-sorted, strong tar-like odors, sheen and blebs in water. | |
| 40 | | | | | | | | | 39 - 45 wet, brown fine SAND and SILT, moderately dense, non-cohesive, well-sorted, blebs and sheen, strong tar-like odor. | |
| 42 | | | | | | | | | | |
| 44 | | | | | | | | | 45 - 45.5 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, traces of sheen, lens of moderately tar coated grains, tar-like odor. | |
| 46 | | | | 233 | | | | CGSB-44 45-45.5 | 45.5 - 48 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, trace sheen. | |
| 48 | S7 | 10.0 | 10.0 | 38.0 | | | | | 48 - 58 wet, brown fine-coarse SAND, traces of fines, loose, non-cohesive, well-sorted, moderate naphthalene-like odor, lightly stained. | |
| 50 | | | | | | | | | | |
| 52 | | | | | | | | | | |

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Tar saturated
 Staining and sheen
 Tar Lenses and tar/naptha odor
 Blebs, globs, lenses, grain-coating, sheen
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BORING LOG
PAGE 3 of 4
CGSB-44/CGMW-11

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|---|----------------------------|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 54 | | | | | | | | | | |
| 56 | | | | 56.5 | | | | | | |
| 58 | S8 | 10.0 | 10.0 | 21.5 | | TLO | | 58 - 60 very wet, medium SAND, loose, non-cohesive, well-sorted, tar coated, blebs, strong tar-like odor. | | |
| 60 | | | | | | OTN | | 60 - 62 wet, brown fine SAND, some fines, dense, non-cohesive, well-sorted, moderate-faint naphthalene-like odor, blebs. | | |
| 62 | | | | | | OTN | | 62 - 65 wet, brown fine SAND, some fines, dense, non-cohesive, well-sorted, moderate-faint naphthalene-like odor, slight sheen. | | |
| 64 | | | | | | OTN | | | | |
| 66 | | | | 1.9 | | OTN | | 65 - 68 wet, brown fine SAND, some fines, dense, non-cohesive, well-sorted, moderate-faint naphthalene-like odor, no visual impacts. | | |
| 68 | S9 | 10.0 | 7.0 | 32.9 | | OTN | | 68 - 72 wet, reddish-brown TILL, SILT and fine SAND, some gravel, traces of cobbles, dense, slightly cohesive, poorly sorted, tar blebs on outside of core, traces of sheen inside, slight naphthalene-like odor. | | |
| 70 | | | | | | OTN | | | | |
| 72 | | | | 3.9 | | | | 72 - 78 wet, reddish-brown TILL, SILT and fine SAND, some gravel, traces of cobbles, dense, slightly cohesive, poorly sorted, no odors or visual impacts. | | |
| 74 | | | | | | | | | | |
| 76 | | | | | | | | | | |
| 78 | S10 | 10.0 | 8.5 | 2.5 | | | | 78 - 83.5 wet, brown fine-coarse SAND, some silt, some gravel, traces of cobbles, dense, non-cohesive, poorly sorted, no odors or visual impacts. | | |
| 80 | | | | | | | | | | |

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CrLO= CREOSOTE LIKE ODOR
 OLO= ORGANIC LIKE ODOR
 SLO= SULFUR LIKE ODOR
 MLO = MUSTY LIKE ODOR

| | | | | |
|---------------|--------------------|---------------------------------|--|--------------------------------|
| Tar saturated | Staining and sheen | Tar Lenses and tar/naphtha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/staining odors |
|---------------|--------------------|---------------------------------|--|--------------------------------|



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BORING LOG
PAGE 4 of 4
CGSB-44/CGMW-11

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|--|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 82 | | | | | | | | | | |
| 84 | | | | | | | | | 83.5 - 84.5 wet, brown medium-coarse SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 86 | | | | 1 | | | | | 84.5 - 88 wet, brown fine-coarse SAND, some silt, some gravel, traces of cobbles, dense, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 88 | S11 | 10.0 | 11.0 | 1.8 | | | | | 88 - 89.5 wet, brown medium-coarse SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 90 | | | | | | | | | | |
| 92 | | | | | | | | | 89.5 - 98 wet, brown fine-coarse SAND, some silt, some fine-coarse gravel, traces of cobble, loose, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 94 | | | | | | | | | | |
| 96 | | | | 1.8 | | | | | | |
| 98 | S12 | 10.0 | 8.0 | 1.8 | | | | CGSB-44 98.5-99 | 98 - 103.5 wet, brown coarse SAND and GRAVEL, traces of fines, dense, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 100 | | | | | | | | | | |
| 102 | | | | | | | | | | |
| 104 | | | | | | | | | 103.5 - 108 wet, brown SILT and fine-medium SAND, traces of gravel, dense, slightly cohesive, no odors or visual impacts. | |
| 106 | | | | 1.3 | | | | | | |
| 108 | | | | | | | | | END OF BORING AT 108 FEET. | |

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BORING LOG
PAGE 1 of 9
CGSB-48/CGMW-16

BORING ID: CGSB-48/CGMW-16 LOCATION: Smith & 5th Street
GROUND SURFACE ELEVATION (FT): 6.64 TOTAL DEPTH (FT): 164.00
NORTHING: 632501.52 EASTING: 671286.89 VERT. DATUM: NAVD 88
DRILLED BY: Prosonic Ben Grim HOR. DATUM: NAD83 NY East Zone
LOGGED BY: M. Felter DATE START / END: 1/21/2005 - 1/24/2005

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS | | | |
|-----------|--------------------|---------|---------|-----------|--------------------|----------------|------|--------------------|---|-----------------------------|--|--|--|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | | | | |
| 0 | S1 | 8.0 | 5.5 | 0.4 | [Patterned Strata] | | | | 0 - 7 moist to wet, black FILL, fine-medium SAND, trace fines, some fine gravel, trace wood fragments, loose, non-cohesive, poorly sorted, no odor or visual impacts. | [Well Construction Details] | | | |
| 2 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 8 | S2 | 10.0 | 13.0 | 0.6 | [Patterned Strata] | | | | 7 - 8 wet, gray FILL, fine-medium SAND, trace fine gravel, loose, non-cohesive, well sorted, no odor or visual impacts. | [Well Construction Details] | | | |
| 10 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 16 | | | | | [Diagonal Strata] | | | | 13 - 13.5 moist, gray SILT, dense, cohesive, trace clay, sewage odor, no visual impacts. | | | | |
| | | | | | | | | | 13.5 - 14.5 wet, gray CLAY, some organics, fine sand, cohesive, sewage odor, no visual impacts. | | | | |
| | | | | | | | | | 14.5 - 15 PEAT sewage odor, no visual impacts. | | | | |

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BORING LOG
PAGE **2 of 9**
CGSB-48/CGMW-16

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|-----------|-------------------|--------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 18 | S3 | 10.0 | 10.0 | 0.4 | [Hatched] | [None] | [None] | [None] | 15 - 16.5 wet, gray CLAY, some organics, fine sand, cohesive, sewage odor, no visual impacts. | [Well Diagram] |
| | | | | 122.0 | | | | | 16.5 - 18 moist, brown CLAY, some silt, organics, fine sand, loose, sewage odor, no visual impacts. | |
| 20 | | | | | | | | | 18 - 20 moist, brown CLAY, some silt, organics, fine sand, loose, sewage odor, no visual impacts. | |
| 22 | | | | | | | | CGSB-48 22-22.5 | 20 - 21 wet, gray CLAY, some silt, and fine sand, dense, cohesive, sheen, strong tar odor. | |
| 24 | | | | | | | | | 21 - 22 wet, gray fine-medium SAND, trace fines, loose, non-cohesive, well sorted, tar coated with saturated lenses, sheen. | |
| 26 | | | | 26.2 | | | | | 22 - 22.5 wet, gray fine-medium SAND, trace fines, loose, non-cohesive, well sorted, tar saturated. | |
| 28 | S4 | 10.0 | 11.0 | 0.9 | | | | | 22.5 - 25 wet, gray fine-medium SAND, trace fines, loose, non-cohesive, well sorted, tar coated with saturated lenses, sheen. | |
| 30 | | | | | | | | | | |
| 32 | | | | | | | | | 25.5 - 26 wet, gray CLAY, some silt, some fine sand, dense, cohesive, thin tar lens. | |
| 34 | | | | 1012 | | | | CGSB-48 33.5-34 | 26 - 28 wet, gray CLAY, some silt, some fine sand, dense, cohesive, no visual impacts. | |
| | | | | | | | | | 28 - 30 wet, brownish gray medium SAND, trace silt lenses, loose, non-cohesive, well sorted, strong tar odor, sheen. | |
| | | | | | | | | | 30 - 33 wet, brownish gray medium SAND, trace silt lenses, loose, non-cohesive, well sorted, tar stained, blebs, sheen, strong tar odor. | |
| | | | | | | | | | 33 - 34.5 wet, brownish gray medium SAND, trace silt lenses, loose, non-cohesive, well sorted, | |

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Tar saturated Staining and sheen Tar Lenses and tar/naphtha odor Blebs, globs, lenses, grain-coating, sheen Petroleum sheen/staining odors



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BORING LOG

PAGE 3 of 9
CGSB-48/CGMW-16

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 36 | | | | | | | | | strong tar odor, heavily coated to saturated with tar. | |
| 38 | S5 | 10.0 | 10.0 | 0.5 | | | | | 34.5 - 38 wet, brown SILT, trace fine sand, dense, cohesive, spotty sheen, moderate naphthalene odor. | |
| 40 | | | | | | | | | 38 - 41 wet, brown SILT and fine SAND, trace clay, dense, cohesive, spotty sheen, faint naphthalene odors. | |
| 42 | | | | | | | | | 41 - 46.5 wet, brown SILT and fine SAND, trace clay, dense, cohesive, no odors or visual impacts. | |
| 44 | | | | | | | | | | |
| 46 | | | | 0.1 | | | | | 46.5 - 48 wet, brown fine-medium SAND, trace fines, loose, non-cohesive, well sorted, no odors or visual impacts. | |
| 48 | S6 | 10.0 | 9.5 | 0.0 | | | | | 48 - 52 wet, brown fine-medium SAND, trace fines, loose, non-cohesive, well sorted, very spotty sheen, very faint naphthalene odor. | |
| 50 | | | | | | | | | | |
| 52 | | | | | | | | | 52 - 58 wet, brown SILT, some fine sand, dense, cohesive, no odors or visual impacts. | |
| 54 | | | | | | | | | | |

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Tar saturated
 Staining and sheen
 Tar Lenses and tar/naphtha odor
 Blebs, globs, lenses, grain-coating, sheen
 Petroleum sheen/staining odors



GEI Consultants, Inc.
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CLIENT: KeySpan
 PROJECT NAME: Carroll Gardens/Public Place
 CITY/STATE: Brooklyn, New York
 GEI PROJECT NUMBER: 982482 - 8

BORING LOG
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CGSB-48/CGMW-16

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 56 | | | | 0.0 | | | | | | |
| 58 | S7 | 10.0 | 10.0 | 0.5 | | | | | 58 - 68 wet, brown fine SAND and SILT, gray clay lens at 50.5 and 55.5, dense, slightly cohesive, well sorted, no odors or visual impacts. | |
| 60 | | | | | | | | | | |
| 62 | | | | | | | | | | |
| 64 | | | | 0.1 | | | | | | |
| 66 | | | | | | | | | | |
| 68 | S8 | 10.0 | 4.5 | 1.8 | | | | | 68 - 70.5 wet, brown fine SAND, trace medium sand, some silt, loose, non-cohesive, well sorted, no odors or visual impacts. | |
| 70 | | | | | | | | | | |
| 72 | | | | | | | | | 70.5 - 78 wet, brown fine SAND and SILT, dense, cohesive, well sorted, no odors or visual impacts. | |

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BORING LOG

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|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 74 | | | | | | | | | | |
| 76 | | | | | | | | | | |
| 78 | S9 | 10.0 | 14.5 | 0.0 | | | | | 78 - 81 wet, brown TILL, medium-coarse SAND, some silt, some fine-coarse gravel, dense, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 80 | | | | | | | | | | |
| 82 | | | | 0.7 | | | | | 81 - 88 wet, brown TILL, SILT, trace sand, some fine-medium gravel, dense, cohesive, no odors or visual impacts. | |
| 84 | | | | | | | | | | |
| 86 | | | | | | | | | | |
| 88 | S10 | 10.0 | 0.0 | | | | | | 88 - 98 No recovery | |
| 90 | | | | | | | | | | |
| 92 | | | | | | | | | | |

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BORING LOG
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| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|----------------------------|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 94 | | | | | | | | | | |
| 96 | | | | | | | | | | |
| 98 | S11 | 20.0 | 0.0 | | | | | | 98 - 118 No recovery | |
| 100 | | | | | | | | | | |
| 102 | | | | | | | | | | |
| 104 | | | | | | | | | | |
| 106 | | | | | | | | | | |
| 108 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 112 | | | | | | | | | | |

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BORING LOG
PAGE **7 of 9**
CGSB-48/CGMW-16

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|------------------|-------------------|------|--|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 114 | | | | | | | | | | |
| 116 | | | | | | | | | | |
| 118 | S12 | 20.0 | 14.5 | | [Dotted pattern] | | | 118 - 126 wet, brown medium SAND, trace fines, coarse sand and fine gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts. | | |
| 120 | | | | 1 | | | | | | |
| 122 | | | | | | | | | | |
| 124 | | | | 1.9 | | | | | | |
| 126 | | | | | [Vertical lines] | | | 126 - 130.5 moist, brown TILL, CLAY and SILT, some fine-coarse gravel, trace sand, dense, cohesive, poorly sorted, no odors or visual impacts. | | |
| 128 | | | | 1.5 | | | | | | |
| 130 | | | | | | | | | 130.5 - 131 dry, gray CLAY, trace silt, dense, cohesive, no odors or visual impacts. | |
| | | | | 1.4 | [Dotted pattern] | | | 131 - 138 wet, brown, medium | | |

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CLO= CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

[Blue box] Tar saturated

[Light blue box] Staining and sheen

[Green box] Tar Lenses and tar/naptha odor

[Yellow-green box] Blebs, globs, lenses, grain-coating, sheen

[Yellow box] Petroleum sheen/staining odors



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BORING LOG
PAGE **8 of 9**
CGSB-48/CGMW-16

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|------------------|-------------------|------|---|-----------------------------|---|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 132 | | | | | [Dotted pattern] | | 132 | to coarse SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | [Well construction details] | |
| 134 | | | | | | | | | | |
| 136 | | | | | | | | | | |
| 138 | S13 | 20.0 | 23.5 | | | | | | | 138 - 150 wet, brown coarse SAND and fine GRAVEL, some medium-fine sand, trace medium-coarse gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts. |
| 140 | | | | 0.6 | | | | | | |
| 142 | | | | | | | | | | |
| 144 | | | | | | | | | | |
| 146 | | | | 1.7 | | | | | | |
| 148 | | | | | | | | | | |
| 150 | | | | | | | | 150 - 158 wet, brown medium | | |

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BORING LOG
PAGE **9** of **9**
CGSB-48/CGMW-16

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|------------------------|--------------------|------------|------------|--------------|--------------------------------------|-------------------|------|--|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 152 | | | | 0.7 | [Dotted pattern representing sand] | | | SAND, trace fines and coarse sand, loose, non-cohesive, well-sorted, no odors or visual impacts. | | |
| 154 | | | | | | | | | | |
| 156 | | | | 0.5 | | | | | | |
| 158 | S14 | 6.0 | 8.0 | 0.9 | | | | | 158 - 160 wet, brown medium SAND, trace fines and coarse sand, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 160 | | | | | [Horizontal lines representing silt] | | | 160 - 163 moist, gray SILT, some fine-medium gravel, trace cobble, dense, non-cohesive, poorly sorted, no odors or visual impacts. | | |
| 162 | | | | 0.5 | | | | | | |
| 164 | | | | | | | | | 163 - 164 dry, gray weathered bedrock, dense, non-cohesive, no odors or visual impacts. | |
| END OF BORING 164 FEET | | | | | | | | | | |

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BORING LOG
PAGE 1 of 5
CGSB-49/CGMW-19

BORING ID: **CGSB-49/CGMW-19** LOCATION: **Smith & 5th Street**
GROUND SURFACE ELEVATION (FT): **8.50** TOTAL DEPTH (FT): **128.00**
NORTHING: **632365.46** EASTING: **670895.86** VERT. DATUM: **NAVD 88**
DRILLED BY: **Prosonic Ben Grim** HOR. DATUM: **NAD83 NY East Zone**
LOGGED BY: **M. Felter** DATE START / END: **2/6/2005 - 2/7/2005**

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|-----------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | |
| 0 | S1 | 4.0 | 3.5 | 0.0 | [Pattern] | | | CGSB-49 7.5-8 | 0 - 4 wet (drillers water), brown FILL, concrete fragments, medium-coarse sand, some gravel, trace fines, trace brick, loose, non-cohesive, poorly sorted, no odor or visual impacts. | [Well Construction] |
| 2 | | | | | | | | | | |
| 4 | S2 | 4.0 | 4.5 | 0.0 | [Pattern] | | | CGSB-49 13.5-14 | 4 - 5.5 wet, brown FILL, concrete fragments, medium-coarse sand, some gravel, trace fines, trace brick, loose, non-cohesive, poorly sorted, no odor or visual impacts. | [Well Construction] |
| 6 | | | | | | | | | | |
| 8 | S3 | 10.0 | 11.0 | 0.6 | [Pattern] | ↑ OLS ↓ | | CGSB-49 13.5-14 | 5.5 - 8 moist, black FILL, coarse SAND, some coal, trace wood fragments, loose, non-cohesive, poorly sorted, no odors or visual impacts. | [Well Construction] |
| 10 | | | | | | | | | | |
| 12 | | | | | [Pattern] | ↑ OLS ↓ | | CGSB-49 13.5-14 | 8 - 9 moist, black FILL, coarse SAND, some coal, trace wood fragments, loose, non-cohesive, poorly sorted, no odors or visual impacts. | [Well Construction] |
| 14 | | | | | | | | | | |
| 16 | | | | 1.9 | [Pattern] | ↑ OLS ↓ | | CGSB-49 13.5-14 | 9 - 12 wet, gray FILL, fine SAND, some clay, trace fine gravel, trace brick, dense, cohesive, moderate sewage odor, no visual impacts. | [Well Construction] |
| 18 | | | | | | | | | | |
| 18 | S4 | 10.0 | 11.0 | 1.0 | [Pattern] | ↑ OLS ↓ | | CGSB-49 13.5-14 | 12 - 18 wet, gray CLAY, and brown PEAT, dense, cohesive, strong organic and sewage odors, no visual impacts. | [Well Construction] |
| 20 | | | | | | | | | | |
| 20 | | | | | [Pattern] | ↑ OLS ↓ | | CGSB-49 13.5-14 | 18 - 19 moist, brown PEAT, dense, cohesive, strong organic and sewage odor, no visual impacts. | [Well Construction] |
| 22 | | | | | | | | | | |
| 22 | | | | | [Pattern] | ↑ OLS ↓ | | CGSB-49 13.5-14 | 19 - 23 wet, gray very fine SAND, some fines, dense, cohesive, moderate sewage odor, no visual impacts. | [Well Construction] |
| | | | | | | | | | | |

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- Tar saturated
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BORING LOG
PAGE 2 of 5
CGSB-49/CGMW-19

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|------|--------------------------|---|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 24 | | | | | | | | | 23 - 28 wet, gray to brown medium SAND, trace fines, loose, non-cohesive, well-sorted, no odor or visual impacts. | |
| 26 | | | | 0.1 | | | | | | |
| 28 | S5 | 10.0 | 10.0 | 1.1 | | | | | 28 - 32 wet, gray to brown medium SAND, trace fines, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 30 | | | | | | | | | | |
| 32 | | | | | | | | | 32 - 37 wet, gray very fine SAND and SILT, dense, cohesive, no odors or visual impacts. | |
| 34 | | | | | | | | | | |
| 36 | | | | 0.0 | | | | | 37 - 38 wet gray medium SAND, trace fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 38 | S6 | 10.0 | 10.0 | 0.1 | | | | | 38 - 40.5 wet, brown medium SAND, some fines, loose, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 40 | | | | | | | | | 40.5 - 48 wet, brown SILT, some fine sand, dense, cohesive, well-sorted, no odor or visual impacts. | |
| 42 | | | | 0.0 | | | | | | |
| 44 | | | | | | | | | | |
| 46 | | | | | | | | | | |
| 48 | S7 | 10.0 | 5.0 | 0.0 | | | | | 48 - 58 very wet, reddish brown TILL, fine SAND, some fines, some fine-coarse gravel, loose, non-cohesive, no odors or visual | |

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BORING LOG
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CGSB-49/CGMW-19

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 50 | | | | | | | | | impacts. | |
| 52 | | | | | | | | | | |
| 54 | | | | | | | | | | |
| 56 | | | | | | | | | | |
| 58 | S8 | 10.0 | 5.0 | 0.0 | | | | | 58 - 68 wet, reddish brown TILL, fine-medium SAND, some fine-coarse gravel, some fines, dense, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 60 | | | | | | | | | | |
| 62 | | | | | | | | | | |
| 64 | | | | | | | | | | |
| 66 | | | | | | | | | | |
| 68 | S9 | 10.0 | 7.5 | 0.0 | | | | | 68 - 69 wet, reddish brown TILL, some fine-coarse GRAVEL, some sand and fines, dense, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 70 | | | | | | | | | 69 - 73 wet, TILL, SILT, reddish brown, some fine gravel, trace sand and clay, dense, moderately cohesive, no odors or visual impacts. | |
| 72 | | | | | | | | | | |
| 74 | | | | 0.7 | | | | | 73 - 78 wet, brown medium SAND, trace fines, trace fine-coarse gravel, loose, non-cohesive, well-sorted, no odors or visual impacts. | |
| 76 | | | | | | | | | | |

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BORING LOG
PAGE 4 of 5
CGSB-49/CGMW-19

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|------------------|-------------------|------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 78 | S10 | 10.0 | 10.0 | 0.0 | [Dotted pattern] | [Vertical line] | | | 78 - 80.5 wet, brown medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, no odors or visual impacts. | [Well construction diagram] |
| 80 | | | | | | | | | | |
| 82 | | | | | | | | | | |
| 84 | | | | | | | | | | |
| 86 | | | | 0.0 | | | | | 86 - 88 wet, brown coarse SAND and GRAVEL, loose, non-cohesive, poorly sorted, trace fines, no odor or visual impacts. | |
| 88 | S11 | 20.0 | 27.0 | 0.0 | [Dotted pattern] | [Vertical line] | | | 88 - 108 moist, reddish brown SILT, some clay, dense, cohesive, non plastic, no odors or visual impacts. | [Well construction diagram] |
| 90 | | | | | | | | | | |
| 92 | | | | | | | | | | |
| 94 | | | | | | | | | | |
| 96 | | | | 0.0 | | | | | | |
| 98 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 102 | | | | 0.0 | | | | | | |

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 NM = NOT MEASURED

NLO= NAPHTHALENE LIKE ODOR CrLO= CREOSOTE LIKE ODOR
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 CLO= CHEMICAL LIKE ODOR MLO= MUSTY LIKE ODOR
 ALO= ASPHALT LIKE ODOR

[Dark Blue Box] Tar saturated [Light Blue Box] Staining and sheen [Green Box] Tar Lenses and tar/naptha odor [Yellow-Green Box] Blebs, globs, lenses, grain-coating, sheen [Yellow Box] Petroleum sheen/staining odors



GEI Consultants, Inc.
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Suite 201
Glastonbury, CT 06033

CLIENT: **KeySpan**
PROJECT NAME: **Carroll Gardens/Public Place**
CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 5 of 5
CGSB-49/CGMW-19

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 104 | | | | | | | | | | |
| 106 | | | | 0.0 | | | | | | |
| 108 | S12 | 20.0 | 27.5 | 0.1 | | | | | 108 - 111 moist, reddish-brown CLAY, dense, cohesive, plastic, no odors or visual impacts. | |
| 110 | | | | | | | | | | |
| 112 | | | | 0.1 | | | | | 111 - 117 wet, reddish-brown CLAY, some fine-medium sand, trace fine-coarse gravel, loose to moderately dense, cohesive, poorly sorted, no odors or visual impacts. | |
| 114 | | | | | | | | | | |
| 116 | | | | 0.1 | | | | CGSB-49 117-118 | 117 - 118 wet, brown and gray fine-medium SAND, some fines, loose, non-cohesive, poorly sorted, no odors or visual impacts. | |
| 118 | | | | | | | | | 118 - 128 moist, gray CLAY, (127-128 feet) some shells, dense, cohesive, plastic, no odors or visual impacts. | |
| 120 | | | | | | | | | | |
| 122 | | | | 2.2 | | | | | | |
| 124 | | | | | | | | | | |
| 126 | | | | | | | | | | |
| 128 | | | | 0.1 | | | | | END OF BORING 128 FEET | |

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Tar saturated
 Staining and sheen
 Tar Lenses and tar/naptha odor
 Blebs, globs, lenses, grain-coating, sheen
 Petroleum sheen/staining odors



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CLIENT: **KeySpan**
PROJECT NAME: **Carroll Gardens/Public Place**
CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 1 of 4
CGSB-52/CGMW-22

BORING ID: **CGSB-52/CGMW-22** LOCATION: **Smith & 5th Street**
GROUND SURFACE ELEVATION (FT): **6.05** TOTAL DEPTH (FT): **108.00**
NORTHING: **631973.28** EASTING: **671002.23** VERT. DATUM: **NAVD 88**
DRILLED BY: **Prosonic Ben Grim** HOR. DATUM: **NAD83 NY East Zone**
LOGGED BY: **M. Felter** DATE START / END: **3/30/2005 - 3/30/2005**

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN FT. | REC FT. | PID (ppm) | | | | | | |
| 0 | | | | | | | | | 4 - 5 wet, FILL, brown to black cobbles, some fine to coarse gravel, some sand and fines, trace brick, dense, cohesive, slight weathered petroleum odor, sheen, black stained. | |
| 2 | | | | | | | | | | |
| 4 | S1 | 1.0 | 1.0 | | | | | | 5 - 6 wet, brown FILL, fine SAND, some fines, some fine to coarse gravel, dense, cohesive, black stained veins, sheen, slight weathered petroleum odor. | |
| 6 | S2 | 3.0 | 2.5 | 23.5 | | | | CGSB-52 6-6.5 | 6 - 8 wet, dark brown FILL, coarse SAND, trace fines, some fine to coarse gravel, loose, non-cohesive, poorly sorted, slight weathered petroleum odor, black stained, trace sheen. | |
| 8 | S3 | 10.0 | 10.0 | 14.1 | | | | | 8 - 12.5 wet, dark brown FILL, fine to medium SAND, some fine gravel, some fines, trace brick and wood, moderately cohesive, poorly sorted, dense, very slight weathered petroleum odor, no visual impacts. | |
| 10 | | | | | | | | | 12.5 - 13.5 wet, dark brown FILL, fine to medium SAND, some fine gravel, some fines, trace brick and wood, moderately cohesive, poorly sorted, dense, moderate petroleum odor, black stained, trace sheen. | |
| 12 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 18 | S4 | 10.0 | 8.5 | 11.0 | | | | | 13.5 - 18 wet, gray CLAY, some silt, trace fine sand, trace shells and wood fragments, dense, cohesive, plastic, slight sewage odor, no visual impacts. | |
| 20 | | | | | | | | | | |
| 22 | | | | | | | | | 18 - 26 wet, gray CLAY, some silt, trace fine sand, trace shells and wood fragments, dense, cohesive, plastic, very slight sewage odor, no visual impacts. | |
| 24 | | | | | | | | | | |

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Tar saturated
 Staining and sheen
 Tar Lenses and tar/naphtha odor
 Blebs, globs, lenses, grain-coating, sheen
 Petroleum sheen/staining odors



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CLIENT: **KeySpan**
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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 2 of 4
CGSB-52/CGMW-22

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|-----------------|--------------------------|--|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 26 | | | | | | | | | 26 - 28 wet, gray fine SAND, some silt, loose, non-cohesive, well-sorted, trace wood, no odors or visual impacts. | |
| 28 | S5 | 10.0 | 10.0 | 32.7 | | | CGSB-52 34.5-35 | | 28 - 32 wet, gray fine SAND, some silt, loose, non-cohesive, well-sorted, trace wood, no odors or visual impacts. | |
| 30 | | | | | | | | | | |
| 32 | | | | 190 | | | | | 32 - 33.5 wet, gray fine SAND, some silt, loose, non-cohesive, well-sorted, trace wood, no visual impacts, slight naphthalene odor. | |
| 34 | | | | | | | | | 33.5 - 35.5 wet, brown medium-coarse SAND, some fines, loose, non-cohesive, well-sorted, tar saturated, strong tar odor. | |
| 36 | | | | | | | | | 35.5 - 38 wet, brown fine-medium SAND, some silt, dense, cohesive, tar saturated veins, sheens, strong tar odor. | |
| 38 | S6 | 10.0 | 8.0 | 4.0 | | | | | 38 - 45 wet, brown, fine SAND, some silt, moderately dense, non-cohesive, well sorted, moderate naphthalene odor, sheen from 0-4. | |
| 40 | | | | | | | | | | |
| 42 | | | | | | | | | | |
| 44 | | | | | | | | | | |
| 46 | | | | | | | | | 45 - 48 wet, brown, medium-coarse SAND, trace silt, loose, non-cohesive, well sorted, moderate naphthalene odor, no visual impacts. | |
| 48 | S7 | 10.0 | 10.0 | 127.0 | | | | | 48 - 58 wet, brown, fine-coarse SAND, trace silt and fine gravel, loose, non-cohesive, poorly sorted, moderate naphthalene odor from 0-2, no visual impacts. | |
| 50 | | | | | | | | | | |
| 52 | | | | | | | | | | |

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IN. = INCHES

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Tar saturated

Staining and sheen

Tar Lenses and tar/naphtha odor

Blebs, globs, lenses, grain-coating, sheen

Petroleum sheen/staining odors



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Suite 201
Glastonbury, CT 06033

CLIENT: **KeySpan**
PROJECT NAME: **Carroll Gardens/Public Place**
CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE 3 of 4
CGSB-52/CGMW-22

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|-----------|--------------------|---------|---------|-----------|--------|----------------|------|--------------------|---|---------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 54 | | | | | | | | | | |
| 56 | | | | 5.2 | | | | | | |
| 58 | S8 | 10.0 | 9.0 | 23.1 | | | | | 58 - 68 wet, brown, medium SAND, some silt, trace coarse sand, loose, non-cohesive, poorly sorted, moderate naphthalene odor, no visual impacts. | |
| 60 | | | | | | | | | | |
| 62 | | | | 28.9 | | | | | | |
| 64 | | | | | | | | | | |
| 66 | | | | | | | | | | |
| 68 | S9 | 10.0 | 2.5 | 91.4 | | | | | 68 - 78 wet, brown, coarse SAND, some silt, trace fine gravel, loose, non-cohesive, poorly sorted, moderate naphthalene odor, no visual impacts. | |
| 70 | | | | | | | | | | |
| 72 | | | | | | | | | | |
| 74 | | | | | | | | | | |
| 76 | | | | | | | | | | |
| 78 | S10 | 10.0 | 10.0 | 2.0 | | | | | 78 - 88 wet, brown-reddish brown, medium SAND, some silt, trace fine gravel and cobbles, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 80 | | | | | | | | | | |

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GEI PROJECT NUMBER: **982482 - 8**

BORING LOG
PAGE **4 of 4**
CGSB-52/CGMW-22

| DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL CONSTRUCTION DETAILS |
|--------------|--------------------|------------|------------|--------------|--------|-------------------|-----------------|--------------------------|---|---------------------------------|
| | TYPE and NO. | PEN IN. | REC IN. | PID (ppm) | | | | | | |
| 82 | | | | 1.6 | | | | | | |
| 84 | | | | | | | | | | |
| 86 | | | | | | | | | | |
| 88 | S11 | 10.0 | 8.5 | 3.6 | | | | | 88 - 91.5 wet, brown-reddish brown, medium SAND, some silt, trace fine gravel and cobbles, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 90 | | | | | | | | | | |
| 92 | | | | | | | | | 91.5 - 95.5 wet, reddish brown, TILL, fine-medium SAND, some silt and fine-coarse angular gravel, dense, moderately cohesive, poorly sorted, no odor or visual impacts. | |
| 94 | | | | 1.2 | | | | | | |
| 96 | | | | | | | | | 95.5 - 98 wet, brown, medium SAND, trace silt, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 98 | S12 | 10.0 | 10.0 | 0.4 | | | | | 98 - 101.5 wet, brown, medium SAND, trace silt, loose, non-cohesive, well sorted, no odor or visual impacts. | |
| 100 | | | | | | | | | | |
| 102 | | | | | | | CGSB-52 107-108 | | 101.5 - 108 wet, gray, fine-medium sand, some silt, loose, non-cohesive, poorly sorted, no odor or visual impacts. | |
| 104 | | | | | | | | | | |
| 106 | | | | | | | | | | |
| 108 | | | | 0.6 | | | | | END OF BORING 108 FEET | |

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GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 2
CGSB-53/CGMW-23

GROUND SURFACE ELEVATION (FT): 24.44 LOCATION: Nelson Street
NORTHING (FT): 671648 EASTING (FT): 631428 TOTAL DEPTH (FT): 36.0
DRILLED BY: Zebra Environmental / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis DATE START / END: 6/7/2006 - 6/7/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 4.94
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|--|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| 0 | 0 | | | | | | (0'- 5') HAND CLEARED. | |
| 5 | 5 | S-1 | 5/27.6 | 0.0 | | | S-1 (5'- 10') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to coarse, max. size 0.5", moist, brown, medium dense. | |
| 10 | 10 | S-2 | 5/45.6 | 0.0 | | | S-2 (10'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 1", moist, brown, dense. | |
| 15 | 15 | S-3 | 5/30 | 0.0 | | | S-3 (15'- 20') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 0.5", moist, brown, dense, wet at 19.5'. | |

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JHS = JAR HEADSPACE PID READING (PPM)
NA = NOT APPLICABLE
NM = NOT MEASURED
Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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CLO = CHEMICAL LIKE ODOR
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OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

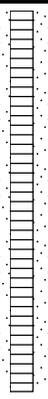
ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 2
CGSB-53/CGMW-23

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|-----------------|--|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 20 | S-4 | 5/60 | | CGSB-53 (23-25) | S-4A (20'- 21') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 0.5", moist, brown. S-4B (21'- 25') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, wet, brown, loose, trace clay nodules. |  | |
| | 0 | | | 0.0 | | | | |
| | 25 | S-5 | 5/33.6 | | CGSB-53 (23-25) | S-5 (25'- 30') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, wet, brown, loose, trace clay nodules. | | |
| | -5 | | | 0.0 | | | | |
| | 30 | S-6 | 6/24 | | CGSB-53 (32-34) | S-6A (30'- 32') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 1", wet, purple brown, dense, trace clay nodules. | | |
| | -10 | | | 1.5 | | S-6B (32'- 34') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, dark brown, loose, slight unknown odor. | | |
| | 35 | | | | | S-6C (34'- 36') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, loose. | | |

End of Boring at 36 feet.

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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 Q_p = POCKET PENETROMETER
 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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CrLO = CREOSOTE LIKE ODOR
 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
 MLO = MUSTY LIKE ODOR



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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 2
CGSB-54

GROUND SURFACE ELEVATION (FT): 31.59 LOCATION: Luquer Street
NORTHING (FT): 671887 EASTING (FT): 631459 TOTAL DEPTH (FT): 25.0
DRILLED BY: Zebra Environmental / Evan Moraitis DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis DATE START / END: 6/8/2006 - 6/8/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | |
| 0 | 0 | | | | | (0'- 5') HAND CLEARED. |
| 5 | 5 | S-1 | 5/50.4 | 0.0 | | S-1A (5'- 5.5') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~30% gravel, fine to coarse, max. size 1.5", dry, gray, loose. S-1B (5.5'- 7') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand; ~10% fines, moist, brown, dense, rock fragments 6'-6.3'. S-1C (7'- 10') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, moist, light brown, loose. |
| 10 | 10 | S-2 | 5/60 | 0.0 | | S-2A (10'- 12.5') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, moist, light brown, loose, 3" lens of medium gravel at 11'. S-2B (12.5'- 13.2') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, moist, brown, dense. S-2C (13.2'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% gravel, fine, <~5% fines, max. size 0.25", moist, red brown, dense. |
| 15 | 15 | S-3 | 4/28.8 | 0.4 | | S-3A (15'- 18.5') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, moist, brown, dense, shattered dark gray rock 18'-18.5'. |
| 20 | 20 | | | | | |

NOTES:

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 REC = RECOVERY LENGTH OF SAMPLE IN. = INCHES PLO = PETROLEUM LIKE ODOR OLO = ORGANIC LIKE ODOR
 PID = PHOTOIONIZATION DETECTOR READING (PPM) FT. = FEET TLO = TAR LIKE ODOR SLO = SULFUR LIKE ODOR
 JHS = JAR HEADSPACE PID READING (PPM) CLO = CHEMICAL LIKE ODOR MLO = MUSTY LIKE ODOR
 ALO = ASPHALT LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
 NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
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BORING LOG
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CGSB-54

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | SOIL / BEDROCK DESCRIPTION |
|--|-----------|--------------|-----------------|-----------|---|--------------------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | |
| | 20 | | | |  | (20'- 25') Fractured dark gray rock. |
| | 10 | | | | | |
| | 25 | | | | | |
| End of Boring at 25 feet. Refusal at 25 feet. | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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| PID = PHOTOIONIZATION DETECTOR READING (PPM) | FT. = FEET | TLO = TAR LIKE ODOR | SLO = SULFUR LIKE ODOR |
| JHS = JAR HEADSPACE PID READING (PPM) | | CLO = CHEMICAL LIKE ODOR | MLO = MUSTY LIKE ODOR |
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BORING LOG
PAGE 1 of 1
CGSB-54B

GROUND SURFACE ELEVATION (FT): 35.31 LOCATION: Luquer Street (near Court Street)
NORTHING (FT): 671934 EASTING (FT): 631328 TOTAL DEPTH (FT): 15.0
DRILLED BY: Zebra Environmental / Luke Caballero DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis DATE START / END: 6/20/2006 - 6/20/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| 35 | 0 | | | | | CGSB-54B (0-0.25) | (0'- 5') HAND CLEARED. |
| 30 | 5 | S-1 | 5/43.2 | 0.0 | | | S-1 (5'- 10') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, <~5% gravel, fine to coarse, max. size 1.25", moist, brown, dense. |
| 25 | 10 | S-2 | 5/45.6 | 0.0 | | | S-2 (10'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, <~5% gravel, fine to coarse, max. size 1.25", moist, brown, dense. |
| 15 | 15 | | | | | | End of Boring at 15 feet. Refusal at 15 feet. |

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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| PID = PHOTOIONIZATION DETECTOR READING (PPM) | FT. = FEET | TLO = TAR LIKE ODOR | SLO = SULFUR LIKE ODOR |
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| NM = NOT MEASURED | S _v = TORVANE PEAK | | |



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BORING LOG
PAGE 1 of 3
CGSB-54/CGMW-24

GROUND SURFACE ELEVATION (FT): 33.33 LOCATION: Luquer Street
NORTHING (FT): 671870 EASTING (FT): 631494 TOTAL DEPTH (FT): 41.0
DRILLED BY: ADT / Greg Rivera DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Kari Weber and Kristen Ponak DATE START / END: 10/13/2010 - 10/14/2010
DRILLING DETAILS: Mud rotary
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: Riser elevation 33.12 ft.

| ELEV. FT. | DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------------|-----------------|----------------|-----------|--------|------|--------------------|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | BLOWS (/6 IN.) | PID (PPM) | | | | | |
| 0 | | | | | | | | | | |
| | 5 | S-1 | 2/13 | 1-1-50 | 0.7 | | | | (5'- 6.2') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, fine to coarse, subangular, ~10% fines; max. size 1, moist, reddish brown, fractured cobble encountered ~6.1 ft, driller indicates rough drilling to ~7', cobbles present. | |
| | | S-2 | 2/14 | 3-2-1-1 | 0.4 | | | | (7'- 9') NARROWLY GRADED SAND (SP); ~95% sand, fine to coarse, ~5% fines; wet, brown, mostly fine to medium sand. | |
| | 25 | S-3 | 2/12 | 7-10-13-11 | 0.6 | | | | (9'- 11') SILTY SAND WITH GRAVEL (SM); ~65% sand, fine to coarse, ~20% fines, ~15% gravel, fine to coarse, subrounded; max. size 1.25, wet, brown. | |
| | 10 | S-4 | 2/9 | 10-12-14-11 | 3.4 | | PLO | | (11'- 13') WIDELY GRADED SAND WITH SILT (SW-SM); ~80% sand, fine to coarse, ~10% gravel, fine to coarse, subangular, ~10% fines; max. size 1.25, slight petroleum-like odor, wet, brown, gravel is mostly fine grained. | |
| | 20 | S-5 | 2/17 | 9-10-10-13 | 0.2 | | | | (13'- 13.5') NARROWLY GRADED SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine, subangular; max. size 0.5, wet, brown. | |
| | 15 | | | | | | | | (13.5'- 14.3') WIDELY GRADED GRAVEL WITH SAND (GW); ~50% gravel, fine to coarse, ~45% | |

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NM = NOT MEASURED

Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
PAGE 2 of 3
CGSB-54/CGMW-24

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------------|-----------------|----------------|-----------|--------|------|--------------------|--|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | BLOWS (/6 IN.) | PID (PPM) | | | | | |
| 15 | | S-6 | 2/15 | 12-14-11-10 | 0.3 | | | | | |
| | | S-7 | 2/13 | 7-5-3-3 | 0.0 | | | | | |
| 15 | | S-8 | 2/4 | 5-4-3-4 | 0.2 | | | | | |
| | | S-9 | 2/13 | 3-20-30-40 | 0.0 | | | | | |
| 10 | | S-10 | 2/13 | 17-16-15-17 | 2.4 | | | | | |
| | | S-11 | 2/13 | 23-25-23-27 | 0.0 | | | | | |
| 25 | | S-12 | 2/16 | 13-14-15-17 | 0.3 | | | CGSB-54 (27-29) | (27'- 29') NARROWLY GRADED SAND (SP); ~85% sand, fine, ~10% fines, ~5% gravel, fine to coarse; wet, reddish brown. | |
| 5 | | S-13 | 2/18 | 19-17-15-18 | 0.0 | | | | (29'- 31') SILTY SAND; ~75% sand, fine, ~15% fines, ~10% gravel, fine to coarse; max. size 1.5, wet, reddish brown. | |
| 30 | | S-14 | 2/14 | 28-20-23-20 | 0.1 | | | | (31'- 31.6') NARROWLY GRADED SAND (SP); ~85% sand, fine to medium, ~10% gravel, fine to coarse, subangular, ~5% fines; max. size 1.25, wet, reddish brown, lense of subangular gravel fragments from 31.3-31.4 feet. | |
| | | S-15 | 2/19 | 17-12- | 0.0 | | | | (31.6'- 32') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; | |

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 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
 PLO = PETROLEUM LIKE ODOR
 TLO = TAR LIKE ODOR
 CLO = CHEMICAL LIKE ODOR
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BORING LOG
PAGE 3 of 3
CGSB-54/CGMW-24

| ELEV. FT. | DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------------|-----------------|----------------|-----------|--------------------|------|--|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | BLOWS (/6 IN.) | PID (PPM) | | | | | |
| | 35 | S-16 | 2/17 | 18-18-23-21 | 0.1 | [Patterned Strata] | | max. size 0.75, wet, brown. (32'- 32.7') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine to coarse, ~20% gravel, fine to coarse, subrounded, ~5% fines; max. size 1.25, wet, brown. (32.7'- 41') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine to coarse, subrounded, ~5% fines; max. size 1.25, wet, brown. | [Patterned Well Details] | |
| | | S-17 | 2/18 | 10-11-21-22 | 0.0 | | | | | |
| | 40 | S-18 | 2/19 | 21-23-24-25 | 0.4 | | | | | |

End of Boring at 41 feet.

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
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CGSB-55B

GROUND SURFACE ELEVATION (FT): 39.53 LOCATION: 4th Street
NORTHING (FT): 672154 EASTING (FT): 631522 TOTAL DEPTH (FT): 20.0
DRILLED BY: Zebra Environmental / Evan Moraitis DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis DATE START / END: 6/14/2006 - 6/15/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | |
| | 0 | | | 0.6 | | (0'- 5') HAND CLEARED. |
| | 5 | S-1 | 5/38.4 | 0.0 | | S-1 (5'- 10') WIDELY GRADED SAND (SW); fine to coarse, ~90% sand; <~5% gravel, fine to coarse, <~5% fines, max. size 1", moist, red brown, dense. |
| | 10 | S-2 | 5/32.4 | 0.0 | | S-2 (10'- 15') WIDELY GRADED SAND WITH GRAVEL (SW); fine to coarse, ~80% sand; ~15% gravel, fine to coarse, ~5% cobbles, max. size 3", moist, red brown, dense. |
| | 15 | S-3 | 5/NM | 7 | | S-3 (15'- 20') WIDELY GRADED SAND (SW); fine to coarse, ~90% sand; ~5% gravel, fine to coarse, <~5% fines, max. size 1.5", moist, red brown, dense. |
| | 20 | | | | | End of Boring at 20 feet. |

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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| JHS = JAR HEADSPACE PID READING (PPM) | | CLO = CHEMICAL LIKE ODOR | MLO = MUSTY LIKE ODOR |
| | | ALO = ASPHALT LIKE ODOR | |
| NA = NOT APPLICABLE | Q _p = POCKET PENETROMETER | | |
| NM = NOT MEASURED | S _v = TORVANE PEAK | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
PAGE 1 of 2
CGSB-55/CGMW-25

GROUND SURFACE ELEVATION (FT): 43.09 LOCATION: 4th Place
NORTHING (FT): 672157 EASTING (FT): 631612 TOTAL DEPTH (FT): 34.0
DRILLED BY: Boart Longyear / Frank Gardelle DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jennifer Morin DATE START / END: 6/30/2010 - 7/1/2010
DRILLING DETAILS: Sonic Coring / Minisonic
WATER LEVEL ELEVATIONS (FT): ▽ 18.09 7/1/2010
GENERAL NOTE: Riser elevation 42.75 ft.

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|----------------|--------|--------------------|--|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| 0 | | | 6/NM | | | | (0'- 0.5') CONCRETE; sidewalk and base. (0.5'- 5') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% sand, fine to coarse, ~30% gravel, fine to coarse, ~5% fines; numerous large cobbles and boulders, dry, brown, FILL. | |
| 5 | | S1 | 5/44 | 1.7 0.0 HS | | | S1 (5'- 10') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~30% gravel, fine to medium, ~20% fines; concrete fragments, max. size 2", dry, brown, FILL. | |
| 10 | | S2 | 5/48 | 0.9 0.0 HS | | | S2 (10'- 15') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~30% gravel, fine to medium, ~20% fines; concrete fragments, max. size 2", dry, brown, FILL. | |
| 15 | | S3 | 5/55 | 42.7 0.9 HS | | | S3 (15'- 16.5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~30% gravel, fine to medium, ~20% fines; concrete fragments, max. size 2", dry, brown, FILL. S3 (16.5'- 20') WIDELY GRADED SAND WITH SILT AND GRAVEL (SW-SM); ~70% sand, fine to coarse, ~20% gravel, fine to coarse, subangular, ~10% fines; dry, brown. | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
PAGE 2 of 2
CGSB-55/CGMW-25

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|---|--------------------|--|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 20 | S4 | 5/46 | 0.3 1.1 HS | CGSB-55 (25-26) | S4 (20'- 22') SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to coarse, ~20% gravel, fine to coarse, ~20% fines; some cobbles, max. size 3.5", moist with drill water. | | |
| | 20 | | | S4 (22'- 25') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine to coarse, ~25% gravel, fine to coarse, subrounded; some cobbles, max. size 4", dry. | | | | |
| | 25 | S5 | 5/26 | 0.3 0.3 HS | | S5 (25'- 30') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine to coarse, ~30% gravel, fine to coarse, subrounded; some cobbles, max. size 3", saturated, brown. | | |
| | 30 | S6 | 2/24 | 0.3 1.5 HS | | S6 (30'- 30.3') COBBLE; broken pieces of cobble. S6 (30.3'- 32') SILTY SAND WITH GRAVEL (SM); ~40% sand, fine to coarse, ~30% gravel, fine to coarse, angular, ~30% fines; some cobbles, max. size 4", wet, gray to brown, bottom 6" of sample is dry, pulverized cobble. | | |
| | 10 | | | | | | | |

End of Boring at 34 feet.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
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CGSB-56/CGMW-26

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 20 | S-4 | 5/25.2 | | | | S-3D (19.5'- 20') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, ~5% gravel, fine, max. size 0.5", wet, brown, loose. S-4 (20'- 25') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~25% gravel, fine to coarse, ~5% fines, max. size 1", wet, brown and gray, loose. | |
| | 25 | | | | | | | |
| | 30 | | | | | CGSB-56 (30-31) | | |

End of Boring at 31 feet.
Refusal at 31 feet.

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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 IN. = INCHES
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NLO = NAPHTHALENE LIKE ODOR
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 TLO = TAR LIKE ODOR
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BORING LOG
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CGSB-57/CGMW-27

GROUND SURFACE ELEVATION (FT): 12.55 LOCATION: 4th Street
NORTHING (FT): 671910 EASTING (FT): 632584 TOTAL DEPTH (FT): 45.0
DRILLED BY: Zebra Environmental / Luke Caballero DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis DATE START / END: 6/21/2006 - 6/21/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 7.55
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | 0 | | | | | | (0'- 5') HAND CLEARED. | | |
| 5 | 5 | S-1 | 5/22.8 | 6.6 | | | CGSB-57 (5-8) S-1 (5'- 10') WIDELY GRADED SAND WITH SILT (SW-SM); low plasticity, ~85% sand, fine to coarse; ~10% fines, <~5% gravel, fine to coarse, max. size 1.25", wet, brown, dense. | | |
| 10 | 10 | S-2 | 5/9.6 | 42.9 | | | S-2 (10'- 15') CLAYEY SAND (SC); ~75% sand; stratified, ~20% clayey fines, <~5% gravel, fine to medium, wet, gray brown, dense, interbedded layers of fine to medium sand and clay. | | |
| 15 | 15 | S-3 | 5/39.6 | | | | S-3A (15'- 18.5') SILTY SAND (SM); ~75% sand; ~20% fines, <~5% gravel, fine to coarse, max. size 1.5", wet, red brown, loose. | | |
| 20 | 20 | | | 20.7 | | OLO | S-3B (18.5'- 20') ORGANIC SOIL (OL/OH); slight organic-like odor, moist, dark brown, peat. ORGANICS. | | |

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL ppm = PARTS PER MILLION NLO = NAPHTHALENE LIKE ODOR CrLO= CREOSOTE LIKE ODOR
 REC = RECOVERY LENGTH OF SAMPLE IN. = INCHES PLO = PETROLEUM LIKE ODOR OLO = ORGANIC LIKE ODOR
 PID = PHOTOIONIZATION DETECTOR READING (PPM) FT. = FEET TLO = TAR LIKE ODOR SLO = SULFUR LIKE ODOR
 JHS = JAR HEADSPACE PID READING (PPM) CLO = CHEMICAL LIKE ODOR MLO = MUSTY LIKE ODOR
 ALO = ASPHALT LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
 NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 3
CGSB-57/CGMW-27

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--------------------|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 20 | S-4 | 5/46.8 | 69.5 | | OLO | | S-4A (20'- 21.5') ORGANIC SOIL (OL/OH); slight organic-like odor, moist, dark brown, peat. ORGANICS. | |
| | -10 | | | | | | CGSB-57 (25-28) | S-4B (21.5'- 25') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% wood, wet, brown gray, dense, trace wood fragments, coarsens downward. | |
| | 25 | S-5 | 5/33.6 | 34 | | | | S-5A (25'- 28.5') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% wood, wet, brown gray, dense, trace wood fragments, coarsens downward. | |
| | -15 | | | | | | | S-5B (28.5'- 29.25') LEAN CLAY WITH SAND (CL); ~80% fines; varved, ~20% sand, fine, wet, red gray, dense. | |
| | 30 | S-6 | 5/40.8 | 26 | | | | S-5C (29.25'- 30') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense. S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense, 1" clayey lenses at 30.5', 32', and 34'. | |
| | -20 | | | | | | | | |
| | 35 | S-7 | 5/34.8 | 39 | | | | S-7 (35'- 40') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense. | |
| | -25 | | | | | | | | |
| | 40 | S-8 | 5/31.2 | 14.8 | | | | S-8A (40'- 43') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense. | |
| | -30 | | | | | | | S-8B (43'- 45') NARROWLY GRADED SAND (SP); ~95% sand; ~5% fines, wet, brown, dense. | |

NOTES:

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 JHS = JAR HEADSPACE PID READING (PPM)
 NA = NOT APPLICABLE
 NM = NOT MEASURED

Q_p = POCKET PENETROMETER
 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
 PLO = PETROLEUM LIKE ODOR
 TLO = TAR LIKE ODOR
 CLO = CHEMICAL LIKE ODOR
 ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
 MLO = MUSTY LIKE ODOR



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 CITY/STATE: Brooklyn, New York
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BORING LOG
 PAGE 3 of 3
 CGSB-57/CGMW-27

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|---------------------------|-----------|--------------|-----------------|-----------|--------|------|--------------------|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 45 | | | | | | | | |
| End of Boring at 45 feet. | | | | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

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 PID = PHOTOIONIZATION DETECTOR READING (PPM) FT. = FEET TLO = TAR LIKE ODOR SLO = SULFUR LIKE ODOR
 JHS = JAR HEADSPACE PID READING (PPM) CLO = CHEMICAL LIKE ODOR MLO = MUSTY LIKE ODOR
 ALO = ASPHALT LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
 NM = NOT MEASURED S_v = TORVANE PEAK



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BORING LOG

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CGSB-58

GROUND SURFACE ELEVATION (FT): 7.31 LOCATION: Bond Street
NORTHING (FT): 671759 EASTING (FT): 632970 TOTAL DEPTH (FT): 69.0
DRILLED BY: Prosonic Corporation / Ben Grim DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Lynn Willey DATE START / END: 5/20/2006 - 5/20/2006
DRILLING DETAILS: Sonic
WATER LEVEL ELEVATIONS (FT): ▽ 2.31
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | 0 | | | | | | | (0'- 5') HAND CLEARED. | |
| 5 | 5 | S-1 | 3/36 | 4.4 | | | | S-1A (5'- 7') SILTY SAND (SM); low plasticity, ~75% sand; ~20% silty fines, <~5% fill, ash, asphalt fragments, fine sand, slight organic-like odor, wet, light brown, diesel-like odor. FILL. | |
| 0 | 0 | | | | | | | S-1B (7'- 8') NARROWLY GRADED SAND (SP); ~90% sand; ~5% silty fines, <~5% gravel, fine, max. size 0.5", slight organic-like odor, moist, light brown, FILL. | |
| | | S-2 | 10/0 | | | | | S-2 (8'- 18') NO RECOVERY. | |
| 10 | 10 | | | 0.0 | | | | | |
| -5 | -5 | | | 5.2 | | | | | |
| 15 | 15 | | | | | | | | |
| -10 | -10 | S-3 | 10/108 | 5.2 | | | | S-3A (18'- 19.5') CLAYEY SAND (SC); ~85% sand; ~15% clayey fines, wet, light gray brown, FILL. | |
| 20 | 20 | | | | | | | S-3B (19.5'- 27') FAT CLAY (CH); high plasticity; stratified, | |

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
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CGSB-58

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|-------------------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| -20 | | | | 0.0 | | | | ~15% peat with fine sand & shell fragments, slight organic-like odor, moist to wet, gray, MIXED ALLUVIUM. | |
| -15 | | | | | | OLO | | | |
| -25 | | | | | | | | S-3C (27'- 28') ORGANIC SOIL (OH); low plasticity; ~10% sand, fine, ~10% peat root fragments, slight organic-like odor, moist to wet, gray, sand at bottom. ALLUVIUM. | |
| -20 | | S-4 | 10/90 | | | OLO | | S-4A (28'- 32') SILTY SAND (SM); ~75% sand; ~20% silty fines, <~5% gravel, fine, max. size 0.5", moderate naphthalene-like odor, wet, gray brown, slight blebs. | |
| -30 | | | | 128 | | NLO | | | |
| -25 | | | | | | NLO | | S-4B (32'- 34.5') SILTY SAND (SM); ~75% sand; ~20% silty fines, low plasticity, ~5% clayey fines, moderate naphthalene-like odor, wet, gray brown, slight sheen. | |
| -35 | | | | | | NLO | CGSB-58 (34.5-36) | S-4C (34.5'- 36') NARROWLY GRADED SAND WITH SILT (SP-SM); ~70% sand; ~20% sand, fine to coarse, ~10% silty fines, moderate naphthalene-like odor, wet, gray brown, moderate tar sheen, 25% tar coated, tar-like odors. ALLUVIUM. | |
| -30 | | | | 24 | | NLO | | S-4D (36'- 38') NARROWLY GRADED SAND (SP); ~95% sand; ~5% silty fines, slight naphthalene-like odor, wet, light brown. | |
| -40 | | S-5 | 10/114 | 66.4 | | | | S-5 (38'- 48') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, slight organic-like odor, wet, light brown, ALLUVIUM. | |
| -35 | | | | | | OLO | | | |

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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| NM = NOT MEASURED | S _v = TORVANE PEAK | | |



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BORING LOG

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CGSB-58

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 45 | | | | | | | | |
| | 40 | | | | | | | | |
| | 50 | S-6 | 21/210 | 26.1 | | | | S-6A (48'- 56') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, slight organic-like odor, wet, gray black, ALLUVIUM. | |
| | 45 | | | 58.1 | | | | | |
| | 55 | | | | | | | | |
| | 50 | | | | | | | S-6B (56'- 58') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, slight naphthalene-like odor, wet, gray black, ALLUVIUM. | |
| | 60 | | | 58 | | | | S-6C (58'- 64') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, wet, light brown, ALLUVIUM. | |
| | 55 | | | 14.5 | | | | | |
| | 65 | | | | | | | S-6D (64'- 67') SILTY SAND WITH GRAVEL (SM); ~60% sand; ~25% silty fines, ~15% gravel, fine to coarse, max. size 2", wet, brown. | |
| | 60 | | | | | | | S-6E (67'- 69') WIDELY GRADED SAND WITH SILT (SW-SM); ~85% sand, fine to coarse; ~10% silty fines, ~5% gravel, fine to coarse, max. size 2", slight naphthalene-like odor, wet, brown. | |

CGSB-58
(67.5-69)

End of Boring at 69 feet.

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BORING LOG
PAGE 1 of 3
CGSB-59/CGMW-29

GROUND SURFACE ELEVATION (FT): 8.93 LOCATION: 7th Street and 2nd Avenue
NORTHING (FT): 670749 EASTING (FT): 632989 TOTAL DEPTH (FT): 45.0
DRILLED BY: Zebra Environmental / Evan Moraitis DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis DATE START / END: 6/9/2006 - 6/9/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 3.93
GENERAL NOTE: _____

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|---|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | 0 | | | | | | (0'- 5') HAND CLEARED. | | |
| 5 | 5 | S-1 | 5/30 | | | | S-1A (5'- 8') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, black brown, loose. FILL. | | |
| 0 | 10 | | | | PLO | CGSB-59 (9-10) | S-1B (8'- 9') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, slight petroleum-like odor, wet, mottled gray black, loose, coal fragments, glass. FILL. | | |
| 10 | 10 | S-2 | 5/33.6 | 599 | PLO | | S-1C (9'- 10') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~25% gravel, fine to medium, <~5% fines, strong petroleum-like odor, wet, mottled gray black, coal fragments. | | |
| 10 | 10 | | | | PLO | | S-2A (10'- 12.5') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~25% gravel, fine to medium, <~5% fines, strong petroleum-like odor, wet, mottled gray black, coal fragments. | | |
| -5 | 15 | | | | OLO | | S-2B (12.5'- 15') ORGANIC SOIL (OL/OH); moderate organic-like odor, moist, dark brown, peat, dense. | | |
| 15 | 15 | S-3 | 5/36 | 5.4 | | | S-3A (15'- 19.5') ORGANIC SOIL (OL/OH); moderate sulfur-like odor, moist, dark brown, peat, dense. | | |
| -10 | 20 | | | 5.2 | SLO | | S-3B (19.5'- 20') NARROWLY GRADED SAND (SP); ~95% | | |

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BORING LOG
PAGE 2 of 3
CGSB-59/CGMW-29

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--------------------|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 20 | S-4 | 5/45.6 | 195 | PLO | | CGSB-59 (20-22) | sand; <~5% fines, moist, gray, dense. S-4A (20'- 24') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, moderate petroleum-like odor, wet, brown gray, dense. | |
| | 25 | S-5 | 5/28.8 | 20.2 | | | | | |
| | 30 | S-6 | 5/31.2 | 29 | | | | S-4B (24'- 25') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense. S-5A (25'- 28') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense. S-5B (28'- 30') SILTY SAND (SM); ~70% sand; ~20% silty fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL. S-6 (30'- 35') SILTY SAND (SM); ~70% sand; ~20% silty fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL. | |
| | 35 | S-7 | 5/37.2 | 24 | | | | S-7A (35'- 36.5') SILTY SAND (SM); ~70% sand; ~20% silty fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL. S-7B (36.5'- 37') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% gravel, fine to medium, max. size 0.25", wet, brown, dense. S-7C (37'- 38.5') SILTY SAND (SM); ~70% sand; ~25% fines, <~5% gravel, fine to medium, max. size 0.3", wet, brown, dense. S-7D (38.5'- 40') SILT (ML); wet, brown. | |
| | 40 | S-8 | 5/28.8 | 4.5 | | | CGSB-59 (42-45) | S-8A (40'- 43.5') SILTY SAND (SM); ~65% sand; ~25% fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL. S-8B (43.5'- 45') SILTY SAND (SM); ~65% sand; ~30% fines, <~5% gravel, fine to medium, max. size 0.25", wet, | |

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JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED

Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

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BORING LOG
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CGSB-60/CGMW-32

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|---|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| -15 | 20 | S-4 | 5/44.4 | 0.2 | | OLO | S-4A (20'- 20.25') CLAYEY SAND (SC); ~55% sand; layered, ~40% clayey fines, ~5% organics, moderate organic-like odor, wet, brown and dark brown, dense. S-4B (20.25'- 25') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; ~5% fines, wet, dark gray to brown, medium dense. | | |
| -20 | 25 | S-5 | 5/37.2 | 0.2 | | CL | S-5A (25'- 26.5') LEAN CLAY (CL); ~100% fines, low plasticity; varved, moist, gray and brown, dense, 2" sand lens. S-5B (26.5'- 30') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; lensed, ~5% fines, wet, gray and brown, medium dense, 3" clay lens, orange mottling. | | |
| -25 | 30 | S-6 | 5/36 | 0.4 | | SW | S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; ~5% fines, wet, gray brown, loose. | | |
| -30 | 35 | S-7 | 5/40.8 | 2.0 | | SW | CGSB-60 (35-38) S-7 (35'- 40') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, <~5% gravel, fine, max. size 0.5", wet, gray brown with orange brown, loose, 1" silt lenses at 37' and 38'. | | |
| -35 | 40 | S-8 | 5/32.4 | 2.4 | SP | | S-8A (40'- 44') NARROWLY GRADED GRAVEL (SP); ~95% sand; ~5% fines, wet, gray brown, loose. S-8B (44'- 45') WIDELY GRADED SAND (SW); ~90% sand, | | |

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 JHS = JAR HEADSPACE PID READING (PPM)

 NA = NOT APPLICABLE
 NM = NOT MEASURED

 Q_p = POCKET PENETROMETER
 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
 PLO = PETROLEUM LIKE ODOR
 TLO = TAR LIKE ODOR
 CLO = CHEMICAL LIKE ODOR
 ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
 MLO = MUSTY LIKE ODOR



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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
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CGSB-60/CGMW-32

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| -40 | 45 | S-9 | 4/30 | 1.1 | | | fine to coarse; ~5% gravel, fine, ~5% fines, max. size 0.5", wet, gray brown to brown, loose. S-9A (45'- 46') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse; ~10% gravel, fine to coarse, ~5% fines, max. size 1", wet, brown, dense. S-9B (46'- 49') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% gravel, fine to coarse, ~5% fines, max. size 1.5", wet, brown, dense. | | |

End of Boring at 49 feet.

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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PROJECT: **Citizens Gas Works**
CITY/STATE: **Brooklyn, New York**
GEI PROJECT NUMBER: **093250**

BORING LOG
PAGE **2 of 4**
CGSB-79

| ELEV. FT. | DEPTH FT. | SAMPLE INFORMATION | | | | STRATA | VISUAL IMPACTS | ODOR | REMARKS | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------------|-----------------|-----------------|--|--------|----------------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC IN./IN. | BLOWS (/6 in.) | FIELD TEST DATA | | | | | |
| | 15 | | | | | | | | petroleum-like odor, wet, black, timber in tip. Petroleum saturated, sheen. FILL. | |
| | -10 | S-6 | 24/6 | 14-7-16-8 | PID= NM ppm | | | PLO | S-6A (16'- 17') WIDELY GRADED GRAVEL WITH SAND (GW); ~65% gravel, fine to coarse, angular, ~35% sand, fine to coarse; max. size 1", black, petroleum staining. FILL. | |
| | | S-7 | 24/7 | WOH-WOH-WOH-WOH | PID= NM ppm | | | TLO | S-6B (17'- 18') LEAN CLAY (CL); ~100% fines; moist, gray brown, with organics, roots. S-7 (18'- 20') LEAN CLAY (CL); ~100% fines, medium plasticity; moderate tar-like odor, moist, gray, with organic material. | |
| | 20 | S-8 | 24/18 | WOH-WOH-WOH-1 | PID= NM ppm | | | TLO | S-8 (20'- 22') LEAN CLAY (CL); ~100% fines, medium plasticity; moderate tar-like odor, moist, olive gray, with organic material. | |
| | -15 | T-1 | 24/12 | P-U-S-H | PID= NA ppm | | | | T-1 (22'- 24') Shelby tube. | |
| | 25 | S-9 | 24/16 | WOH-WOH-1-2 | PID= NM ppm | | | | S-9A (24'- 25') LEAN CLAY (CL); ~100% fines, medium plasticity; moist, gray brown, with organic material. | |
| | -20 | S-10 | 24/24 | 1-1-1-1 | PID= 1.8 ppm | | | | S-9B (25'- 26') PEAT (PT); ~85% peat, ~15% clayey fines, low plasticity, brown, mostly roots and organic material. S-10 (26'- 28') ORGANIC SOIL (OL); ~50% organics, ~50% clayey fines, medium plasticity, moist, dark brown. | |
| | | S-11 | 24/20 | 2-3-4-4 | PID= 25 ppm | | | | S-11A (28'- 29.8') ORGANIC SOIL (OL); ~50% organics, ~50% clayey fines, medium plasticity, moist, dark brown. | |
| | 30 | S-12 | 24/18 | 7-7-12-10 | PID= 205* ppm PID= 108* ppm PID= 151* ppm PID= 348* ppm | | | TLO | S-11B (29.8'- 30') SILTY SAND (SM); ~75% sand, fine, ~25% fines; wet, brown black, tar staining and tar coated grains. S-12 (30'- 32') SILTY SAND (SM); ~75% sand, fine, ~25% fines; layered, moderate tar-like odor, moist, dark brown, tar coated grains. | |
| | -25 | S-13 | 24/20 | 10-14-14-16 | PID= 108* ppm PID= 187* ppm PID= 276* ppm | | | TLO | S-13 (32'- 34') SILTY SAND (SM); ~75% sand, fine, ~25% fines; layered, moderate tar-like odor, moist, dark brown, tar coated grains. | |

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CITIZENS 2010_ENV/GEO LOG W/SMWC ALL CITIZENS BORINGS.GPJ NG GINT DATA TEMPLATE.GDT 5/24/11



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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 4
CGSB-95/CGMW-40

GROUND SURFACE ELEVATION (FT): 7.89 LOCATION: 2nd Avenue & 6th Street
NORTHING (FT): 670999 EASTING (FT): 633098 TOTAL DEPTH (FT): 62.0
DRILLED BY: Zebra Environmental / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Katrina Kucher DATE START / END: 2/12/2010 - 2/12/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--------------------|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | | G-1 | 5/60 | 0.7 | | | | G-1 (0'- 5') Hand cleared for utilities. | |
| 5 | | S-1 | 5/27.6 | 41.6 | | | | S-1 (5'- 10') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~20% gravel, fine, ~20% fines; ~10% brick fragments and ash, max. size 0.5", moderate petroleum-like odor, brown, FILL. | |
| 10 | | S-2 | 5/36 | 10.3 | | | | S-2A (10'- 12.2') WIDELY GRADED SAND WITH GRAVEL (SW); ~50% sand, fine to coarse, ~35% gravel, fine to coarse, ~5% fines; max. size 1", slight petroleum-like odor, wet, gray. | |
| 15 | | | | | | | | S-2B (12.2'- 15') PEAT (PT); slight sulfur-like odor, gray brown, organics, fines. | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

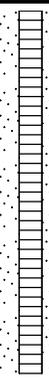


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BORING LOG
PAGE 2 of 4
CGSB-95/CGMW-40

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|---|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 15 | | S-3 | 5/60 | 104 | SLO | SLO | S-3A (15'- 15.6') PEAT (PT); slight sulfur-like odor, gray brown, varying amount of organics and fines. S-3B (15.6'- 20') SILT (ML); ~90% fines, medium plasticity, ~10% sand; slight sulfur-like odor. |  | |
| -10 | | | | | | | | | |
| 20 | | S-4 | 5/60 | 0.9 | SLO | SLO | S-4A (20'- 25') SILTY SAND (SM); ~70% sand, fine, ~30% fines; slight sulfur-like odor, wet, gray. | | |
| -15 | | | | | | | | | |
| 25 | | S-5 | 5/60 | 1.7 | SLO | SLO | S-4B (25'- 28.1') SILTY SAND (SM); ~70% sand, fine, ~30% fines. S-5 (28.1'- 30') SILT (ML); ~100% fines, low plasticity. | | |
| -20 | | | | | | | | | |
| 30 | | S-6 | 5/55.2 | 2.3 | | | S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% gravel; moist, brown. | | |
| -25 | | | | | | | | | |

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BORING LOG
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CGSB-95/CGMW-40

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|-----------------|-----------|--------------|-----------------|-----------|--------------------|------|--|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 35 | S-7 | 5/60 | 1.6 | [Patterned Strata] | | S-7 (35'- 40') SILTY SAND (SM); ~65% sand, fine, ~35% fines. | | |
| | 40 | S-8 | 5/60 | 0.9 | | | S-8 (40'- 45') SILTY SAND (SM); ~65% sand, fine, ~35% fines; wet, brown. | | |
| | 45 | S-9 | 5/60 | 0.6 | | | S-9 (45'- 50') SILTY SAND (SM); ~65% sand, fine, ~30% fines, ~5% gravel, fine to coarse; max. size 1". | | |
| | 50 | S-10 | 5/0 | NA | | | S-10 (50'- 55') NO RECOVERY. | | |
| CGSB-95 (49-50) | | | | | | | | | |

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|--------------------------|
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| NM = NOT MEASURED | S _v = TORVANE PEAK | | |



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BORING LOG
 PAGE 4 of 4
CGSB-95/CGMW-40

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION | WELL DETAILS |
|---|-----------|--------------|-----------------|-----------|--------|------|--------------------|----------------------------|--------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| -45 | | | | | | | | | |
| | 55 | | | | | | | | |
| | | S-11 | 5/60 | 1.2 | | | | | |
| -50 | | | | | | | | | |
| | 60 | | | | | | | | |
| End of Boring at 62 feet. CGMW-40 installed. | | | | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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BORING LOG
PAGE 1 of 4
CGSB-96

GROUND SURFACE ELEVATION (FT): 6.97 LOCATION: 2nd Avenue & 6th Street
NORTHING (FT): 671218 EASTING (FT): 633240 TOTAL DEPTH (FT): 62.0
DRILLED BY: Zebra Environmental / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Katrina Kucher DATE START / END: 2/16/2010 - 2/16/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| 0 | | G-1 | 5/60 | NM | PLO | | G-1 (0'- 5') Strong petroleum-like odor. Hand cleared for utilities. | |
| 5 | | | | | | | | |
| 5 | | S-1 | 5/37.2 | 133 | | PLO | | S-1A (5'- 9.3') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; strong petroleum-like odor, brown, FILL. |
| 10 | | | | | | | | |
| 10 | | S-2 | 5/60 | 0.9 | SLO | | S-1B (9.3'- 10') SILT (ML); fines, trace organics, strong petroleum-like odor. S-2A (10'- 11.3') Wash material. | |
| 15 | | | | | | | | S-2B (11.3'- 15') SILT (ML); ~80% fines, medium plasticity; ~20% organics, strong sulfur-like odor, brown, varying amounts of organics. Peat. |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG

PAGE
2 of 4

CGSB-96

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 15 | S-3 | 5/60 | 0.8 | SLO | | S-3A (15'- 19.4') SILT (ML); fines, trace organics, trace shell fragments, slight sulfur-like odor, brown. | |
| | -10 | | | | | | | |
| | 20 | S-4 | 5/60 | 1.0 | | | S-3B (19.4'- 20') Decayed wood. S-4A (20'- 23.1') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to medium, ~10% fines. | |
| | -15 | | | | | | | |
| | 25 | S-5 | 5/54 | 0.8 | | | S-4B (23.1'- 25') SILT (ML); fines, gray, medium plasticity. S-5A (25'- 27.9') SILT (ML); ~95% fines, medium plasticity, ~5% sand, fine. | |
| | -20 | | | | | | | |
| | 30 | S-6 | 5/51.6 | 1.0 | | | S-5B (27.9'- 30') SILTY SAND (SM); ~70% sand, fine, ~30% fines; gray. S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines. | |
| | -25 | | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG

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CGSB-96

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|---------------------------|-----------------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 35 | S-7 | 5/60 | 0.7 | [Patterned Strata Column] | | S-7 (35'- 40') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown. | |
| | 40 | S-8 | 5/60 | 0.7 | | | S-8 (40'- 45') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown. | |
| | 45 | S-9 | 5/60 | 0.7 | | CGSB-96 (45-50) | S-9 (45'- 50') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown. | |
| | 50 | S-10 | 5/39.6 | 0.9 | | | S-10A (50'- 54.3') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown, loose. | |

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 JHS = JAR HEADSPACE PID READING (PPM)
 NA = NOT APPLICABLE
 NM = NOT MEASURED
 Q_p = POCKET PENETROMETER
 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
 PLO = PETROLEUM LIKE ODOR
 TLO = TAR LIKE ODOR
 CLO = CHEMICAL LIKE ODOR
 ALO = ASPHALT LIKE ODOR

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 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
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BORING LOG

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CGSB-96

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| -45 | | | | | | | | |
| | 55 | S-11 | 7/7.2 | 2.1 | | | S-10B (54.3'- 55') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown, loose. S-11 (55'- 62') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% gravel. | |
| -50 | | | | | | | | |
| | 60 | | | | | | | |
| -55 | | | | | | | End of Boring at 62 feet. Grout to surface. | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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| | | ALO = ASPHALT LIKE ODOR | |
| NA = NOT APPLICABLE | Q _p = POCKET PENETROMETER | | |
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BORING LOG
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CGSB-97

GROUND SURFACE ELEVATION (FT): 11.99 LOCATION: 3rd Street & Bond Street
NORTHING (FT): 671951 EASTING (FT): 632975 TOTAL DEPTH (FT): 46.0
DRILLED BY: Zebra Environmental / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jennifer Sandorf DATE START / END: 2/18/2010 - 2/18/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| 0 | | G-1 | 5/60 | 0.2 | | | | G-1A (0'- 0.5') Concrete. Hand cleared for utilities. G-1B (0.5'- 5') SILTY SAND (SM); ~70% sand, fine to coarse, ~20% fines, ~10% gravel, fine to medium; dry to moist, red brown, loose. Hand cleared for utilities. |
| 5 | | S-1 | 5/38.4 | 0.2 | | | | S-1 (5'- 10') SILTY SAND (SM); ~70% sand, fine to coarse, ~20% fines, ~10% gravel, fine to medium; max. size 1.5", moist to wet, red brown, loose. |
| 10 | | S-2 | 5/13.2 | 0.3 | | | | S-2 (10'- 15') SILTY SAND (SM); ~70% sand, fine to coarse, ~20% fines, ~10% gravel, fine to medium; max. size 1.5", wet, red brown, loose. |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
 NM = NOT MEASURED S_v = TORVANE PEAK



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BORING LOG

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| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|------------------------|----------------------------------|--|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 15 | S-3 | 5/45.6 | 0.2 | [Strata pattern: dots] | | S-3 (15'- 20') SILTY SAND (SM); ~60% sand, fine to medium, ~30% fines, ~10% gravel, fine to medium; max. size 1", wet, red brown, very loose. | |
| | 20 | S-4 | 5/60 | 0.9 | | | S-4 (20'- 25') SILTY SAND (SM); ~60% sand, fine to medium, ~30% fines, ~10% gravel, fine to medium; max. size 1", wet, red brown, very loose. | |
| | 25 | S-5 | 5/55.2 | 1.3 | | | S-5A (25'- 26.4') SILTY SAND (SM); ~60% sand, fine to medium, ~30% fines, ~10% gravel, fine to medium; max. size 1", wet, red brown, very loose. | |
| | -15 | | | | | [Strata pattern: vertical lines] | SLO | S-5B (26.4'- 30') SILT (ML); ~50% fines; ~50% peat, slight sulfur-like odor, dark brown, high organic content. |
| | 30 | S-6 | 5/51.6 | 1.0 | | | S-6A (30'- 31') SILTY SAND (SM); ~60% sand, fine, ~40% fines, non plastic; red brown, soft. | |
| | -20 | | | | | [Strata pattern: dots] | | S-6B (31'- 32.5') SILTY SAND (SM); ~70% sand, fine to medium, ~20% fines, ~10% gravel, fine; max. size 0.25", gray, medium dense. |
| | | | | | [Strata pattern: dots] | | S-6C (32.5'- 35') WIDELY GRADED SAND (SW); ~100% sand, fine to coarse; brown, medium dense. | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
PAGE 1 of 3
CGSB-98

GROUND SURFACE ELEVATION (FT): 7.41 LOCATION: 3rd Street & Bond Street
NORTHING (FT): 671788 EASTING (FT): 633314 TOTAL DEPTH (FT): 46.0
DRILLED BY: Zebra Environmental / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Katrina Kucher DATE START / END: 2/17/2010 - 2/17/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| 0 | | G-1 | 5/60 | 0.8 | | | | G-1 (0'- 5') SILTY SAND (SM); ~75% sand, fine to medium, ~15% fines, ~10% gravel; brown, hand cleared for utilities. |
| 5 | | S-1 | 5/40.8 | 0.5 | | | | S-1 (5'- 10') SILTY SAND (SM); ~65% sand, fine to coarse, ~30% fines, ~5% gravel, fine to coarse; max. size 1", brown to gray brown. |
| 10 | | S-2 | 5/51.6 | 0.4 | | | | S-2A (10'- 12.1') SILTY SAND (SM); ~60% sand, fine to coarse, ~30% fines, ~10% gravel, fine to coarse; max. size 1". |
| -5 | | | | | | | | S-2B (12.1'- 15') SILT (ML); ~90% fines, medium plasticity; ~10% organics, trace shell fragments, slight sulfur-like odor, gray, trace shell fragments. |
| -15 | | | | | SLO | | | |

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 15 | S-3 | 5/60 | 0.4 | | | | S-3 (15'- 20') SILT (ML); ~90% fines, medium plasticity; ~10% organics, trace shell fragments, gray, trace shell fragments. |
| | 20 | S-4 | 5/60 | 0.4 | | | | S-4 (20'- 25') SILT (ML); fines, gray, medium plasticity. 4.8", fine to medium sand seam at 23.6'. |
| | 25 | S-5 | 5/50.4 | 0.6 | | | | S-5A (25'- 27.9') SILT (ML); fines, gray, medium plasticity. Trace mottling. |
| | 30 | S-6 | 5/60 | 0.6 | | | | S-5B (27.9'- 30') NARROWLY GRADED SAND (SP); ~95% sand, fine; ~5% organics, gray. |
| | 35 | | | | | | | S-6 (30'- 35') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; max. size 0.5", brown. |

NOTES:

| | | | |
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BORING LOG
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CGSB-98

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------------------|-----------------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 35 | S-7 | 5/36 | 0.5 | [Patterned Strata] | CGSB-98 (34-35) | S-7 (35'- 40') WIDELY GRADED SAND (SW); ~100% sand, fine to medium; brown. | |
| | 40 | S-8 | 6/60 | 0.6 | | | S-8 (40'- 46') WIDELY GRADED SAND (SW); ~95% sand, fine to medium, ~5% gravel, fine; max. size 0.5". | |
| | 45 | | | | | | End of Boring at 46 feet. Grout to surface. | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
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CGSB-143

GROUND SURFACE ELEVATION (FT): 2.06 LOCATION: 140 3rd Street - Forno Marble
NORTHING (FT): 671619 EASTING (FT): 633136 TOTAL DEPTH (FT): 50.0
DRILLED BY: Zebra / Charles Green DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Nick Morang and Amy Malsbary DATE START / END: 5/11/2013 - 5/11/2013
DRILLING DETAILS: _____
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: Survey coordinates and elevation are estimated. Weather: ~70 degrees, light rain, humid.
PID instruments are sensitive to rain and humidity which sometimes result in falsely elevated readings.

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | 0 | S-1 | 5/NM | | | | | (0'- 1.8') CONCRETE. | |
| | 0 | | | | | | | (1.8'- 3.2') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine, ~10% gravel, ~10% fines; max. size 1, moist, brown, brick and coal fragments. FILL. | |
| | 3.2 | | | | | | | (3.2'- 3.8') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine, ~10% gravel, ~10% fines; max. size 0.75, moist, light brown, coal fragments, glass fragments at 2.9'. FILL. | |
| | 3.8 | | | | | PLO | | (3.8'- 5') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine, ~20% gravel, ~5% fines; max. size 1, moderate petroleum-like odor, moist, brick fragment at 3.4', black stained. FILL. | |
| | 5 | S-2 | 5/42 | 152 | | | | (5'- 5.6') SILTY SAND (SM); ~80% sand, fine, ~15% fines, ~5% gravel; max. size 0.5, moist, brown, slight musty odor, lenses of black, brick fragments. FILL. | |
| | 5.6 | | | | | | | (5.6'- 7.1') NARROWLY GRADED SAND WITH SILT AND GRAVEL (SP-SM); ~75% sand, fine, ~15% gravel, ~10% fines; max. size 0.75, wet to moist, brown and light brown, slight musty odor. FILL. | |
| | 7.1 | | | 8.2 | | | | (7.1'- 7.4') NARROWLY GRADED GRAVEL (GP); ~90% gravel, ~10% sand, fine to medium; max. size 1.25, moist, grayish brown and red, brick fragments. FILL. | |
| | 7.4 | | | | | | | (7.4'- 7.7') NARROWLY GRADED SAND (SP); ~95% sand, fine, ~5% gravel; brick and shell fragments. FILL. | |
| | 7.7 | | | | | | | (7.7'- 10') NARROWLY GRADED SAND WITH GRAVEL (SP); ~85% sand, fine to medium, ~15% gravel; max. size 1, wet to moist, light brown, lenses of dark gray, metal staple, shell fragment. FILL. | |
| | 10 | S-3 | 5/42 | | | | | (10'- 11.1') WIDELY GRADED SAND WITH SILT AND GRAVEL (SW-SM); ~70% sand, fine, ~20% gravel, ~10% fines; max. size 1, wet, brown, red brick fragments. FILL. | |
| | 11.1 | | | | | NLO | | (11.1'- 12') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, ~10% fines; max. size 0.5, slight naphthalene-like odor, grayish brown, FILL. | |
| | 12 | | | 114 | | | | (12'- 13.9') NARROWLY GRADED SAND (SP); ~85% sand, fine to medium, ~10% gravel, ~5% fines; max. size 1, moderate naphthalene-like odor, reddish brown, sheen, tar staining. FILL. | |
| | 13.9 | | | | | NLO | | (13.9'- 15') NARROWLY GRADED SAND (SP); ~85% sand, fine to coarse, ~10% gravel, ~5% fines; max. size 1, slight | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG

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CGSB-143

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|-----------|----------------|------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 15 | S-4 | 5/60 | 11 | [Pattern] | | NLO | CGSB-143 | naphthalene-like odor, reddish brown, coal fragment. FILL. (15'- 17.9') NARROWLY GRADED SAND (SP); ~85% sand, fine to medium, ~10% gravel, ~5% fines; max. size 0.5, slight naphthalene-like odor, wet to moist, brown and light brownish gray, red brick fragments, silty lens from 17.2-17.4', spots of sheen. FILL. |
| | -15 | | | | | | | | (17.9'- 20') ELASTIC SILT (MH); ~95% fines, low plasticity, ~5% sand, fine to medium; slight organic-like odor, moist, gray, gold peat fragments. |
| | 20 | S-5 | 5/0 | | | | | No Recovery | |
| | 25 | S-6 | 5/46 | 17.8 | [Pattern] | | | CGSB-143 | (25'- 25.4') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, grayish brown. (25.4'- 26.2') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; grayish brown with orange marbled color. (26.2'- 30') SILT (ML); ~95% fines, ~5% sand; non-plastic to low plasticity, gray with olive lenses, sandy lens from 28.9-29.1'. |
| | -25 | | | | | | | | (30'- 32') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; wet, grayish brown, spots of sheen. |
| | 30 | | | | | | | | S-7 |
| | -30 | | | | | | | | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
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CGSB-143

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | | | | 9999+ | | | | | |
| | 35 | S-8 | 5/60 | 1784 | | | | (33-34) | coated from 32.8-33.4', blebs and pockets of coating from 33.4-34.4. (34.4'- 35') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; wet, grayish brown. (35'- 35.5') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; strong naphthalene-like odor, wet, sheen, heavy staining. (35.5'- 35.8') SILT (ML); ~95% fines, ~5% sand; strong naphthalene-like odor, wet, brown, sheen. (35.8'- 37.2') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; strong naphthalene-like odor, wet, grayish brown to brown, olive streaks from 35.8-36.1', few pieces of fine subangular gravel near the bottom, sheen. (37.2'- 37.5') SILTY SAND (SM); ~85% sand, ~15% fines; strong naphthalene-like odor, wet, brown. (37.5'- 40') WIDELY GRADED SAND (SW); ~95% sand, ~5% fines; slight naphthalene-like odor, wet, brown, silty lens from 38.2-38.4', slight sheen at 37.8'. |
| | | | | | | NLO | | | |
| | | | | | | NLO | | | |
| | | | | | | NLO | | | |
| | | | | | | NLO | | | |
| | 40 | S-9 | 5/53 | 3754 | | | | | (40'- 41.8') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; strong naphthalene-like odor, wet, brown. (41.8'- 44.1') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; slight naphthalene-like odor, moist, light brown. (44.1'- 45') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; moist, brown. (45'- 48.2') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; moist, brown to dark brown. |
| | | | | | | NLO | | | |
| | | | | | | NLO | | | |
| | 45 | S-10 | 5/60 | | | | | | |
| | | | | 1083 | | | | CGSB-143 (48.5-50) | (48.2'- 50') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; slight naphthalene-like odor, moist, dark brown, spots of sheen. |
| | | | | | | NLO | | | |
| | 50 | | | | | | | | End of Boring at 50 feet. Refusal at 50 feet. |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
 REC = RECOVERY LENGTH OF SAMPLE
 PID = PHOTOIONIZATION DETECTOR READING (PPM)
 JHS = JAR HEADSPACE PID READING (PPM)
 NA = NOT APPLICABLE
 NM = NOT MEASURED
 Q_p = POCKET PENETROMETER
 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
 PLO = PETROLEUM LIKE ODOR
 TLO = TAR LIKE ODOR
 CLO = CHEMICAL LIKE ODOR
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CrLO = CREOSOTE LIKE ODOR
 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
 MLO = MUSTY LIKE ODOR



GEI Consultants, Inc.
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CITY/STATE: Brooklyn, New York
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BORING LOG

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CGSB-145/CGMW-44

GROUND SURFACE ELEVATION (FT): 14.86 LOCATION: West 9th Street
NORTHING (FT): 671129 EASTING (FT): 631321 TOTAL DEPTH (FT): 80.0
DRILLED BY: Boart Longyear / Frank Gardella DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Chris Anastasiou DATE START / END: 11/19/2012 - 11/20/2012
DRILLING DETAILS: _____
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| 0 | | | 5/NM | 0.0 | | | (0'- 0.8') CONCRETE. |
| | | | | | | | (0.8'- 1') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine to coarse, ~5% fines; brown. (1'- 2') SILTY SAND (SM); ~60% sand, fine, ~30% fines, ~10% gravel, fine to coarse; brown. (2'- 3') WIDELY GRADED SAND WITH SILT (SW-SM); ~70% sand, fine to coarse, ~20% gravel, fine to coarse, ~10% fines; brown. (3'- 5') SILTY SAND (SM); ~60% sand, fine to medium, ~35% fines, ~5% gravel, fine to coarse; max. size 3, brown. |
| 10 | 5 | | 5/30 | 0.0 | | | (5'- 7') WIDELY GRADED SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine to coarse, ~5% fines; brown. (7'- 10') SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to coarse, ~25% fines, ~15% gravel, fine to coarse. |
| 5 | 10 | | 5/32 | 0.0 | | | (10'- 12.7') SILTY SAND (SM); ~75% sand, fine to coarse, ~15% fines, ~10% gravel, fine to coarse; brown. (12.7'- 15') SILTY SAND (SM); ~70% sand, fine to medium, ~30% fines; brown. |
| 0 | 15 | | | | | | |

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NM = NOT MEASURED S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR



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BORING LOG

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CGSB-145/CGMW-44

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| | 15 | | 5/36 | 0.0 | | | (15'- 20') SILTY SAND (SM); ~70% sand, fine, ~30% fines; wet, brown. |
| | 20 | | 5/38 | 0.0 | | | (20'- 25') SILTY SAND (SM); ~75% sand, fine to medium, ~25% fines; wet, brown. |
| | 25 | | 5/40 | 0.0 | | | (25'- 30') SILTY SAND (SM); ~65% sand, fine, ~35% fines; brown. |
| | 30 | | 5/48 | 0.0 | | | (30'- 35') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to medium, ~10% fines; brown. |

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BORING LOG

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CGSB-145/CGMW-44

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| -20 | 35 | | 5/48 | 0.0 | | | (35'- 40') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; brown. |
| -25 | 40 | | 5/38 | 0.0 | | | (40'- 43') SILTY SAND (SM); ~80% sand, fine to coarse, ~20% fines; brown. |
| -30 | 45 | | 5/36 | 0.0 | | | (43'- 45') SILTY SAND (SM); ~65% sand, fine to medium, ~35% fines; brown. (45'- 48.9') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown. |
| -35 | 50 | | 5/48 | 0.0 | | | (48.9'- 50') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; brown. (50'- 52.5') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; brown. |

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BORING LOG

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CGSB-145/CGMW-44

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|---------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| | | | | | | | (52.5'- 55') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown. |
| -40 | 55 | | 5/38 | 0.0 | | | (55'- 58.4') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown. |
| | | | | | | | (58.4'- 60') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine to coarse, ~5% fines; brown. |
| -45 | 60 | | 5/40 | 0.0 | | | (60'- 66.4') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine to coarse, ~5% fines; brown. |
| | | | | | | | |
| -50 | 65 | | 5/44 | 0.0 | | | |
| | | | | | | | |
| | | | | | | CGSB-145 (67-70) | (66.4'- 80') WIDELY GRADED SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine to coarse, ~5% fines; brown. |
| -55 | 70 | | | | | | |

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 S_v = TORVANE PEAK

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 IN. = INCHES
 FT. = FEET

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BORING LOG

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CGSB-145/CGMW-44

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|------------------|--------------------|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| | | | 5/36 | 0.0 | [Dotted Pattern] | | |
| | | | 5/44 | 0.0 | | | |
| -60 | 75 | | | | | | |
| -65 | 80 | | | | | | |

End of Boring at 80 feet.

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
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CGSB-146

GROUND SURFACE ELEVATION (FT): 11.53 LOCATION: Bayside Fuel Depot
NORTHING (FT): 670919 EASTING (FT): 631410 TOTAL DEPTH (FT): 80.0
DRILLED BY: Boart Longyear / Frank Gardella DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Chris Anastasiou DATE START / END: 11/6/2012 - 11/7/2012
DRILLING DETAILS: _____
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | | | 5/NM | | | | | (0'- 0.1') ASPHALT. (0.1'- 4.5') SILTY SAND WITH GRAVEL (SM); ~55% sand, fine to coarse, ~25% gravel, fine to coarse, ~20% fines; moist, brown, brick fragments. FILL. | |
| 10 | | | | | | | | | |
| 5 | | | 5/48 | 1325 | | | | (4.5'- 5') BRICK. (5'- 6.9') SILTY SAND WITH GRAVEL (SM); ~40% sand, fine to coarse, ~30% gravel, fine to coarse, ~30% fines; moderate petroleum-like odor, black. | |
| 5 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 10 | | | 5/48 | 372 | | | | (6.9'- 7.3') SILTY SAND (SM); ~80% sand, fine to coarse, ~20% fines; moderate petroleum-like odor, dark brown. (7.3'- 8.3') SILTY SAND (SM); ~85% sand, fine, ~15% fines; moderate petroleum-like odor, dark black. (8.3'- 10') SILTY SAND (SM); ~85% sand, fine, ~15% fines; tan and brown. | |
| 0 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 15 | | | | | | | | (10'- 11.9') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; moderate petroleum-like odor, black staining. (11.9'- 12.5') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; moderate petroleum-like odor, dark brown. (12.5'- 15') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; moderate petroleum-like odor, brown. | |

NOTES:
 PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL ppm = PARTS PER MILLION NLO = NAPHTHALENE LIKE ODOR CrLO = CREOSOTE LIKE ODOR
 REC = RECOVERY LENGTH OF SAMPLE IN. = INCHES PLO = PETROLEUM LIKE ODOR OLO = ORGANIC LIKE ODOR
 PID = PHOTOIONIZATION DETECTOR READING (PPM) FT. = FEET TLO = TAR LIKE ODOR SLO = SULFUR LIKE ODOR
 JHS = JAR HEADSPACE PID READING (PPM) CLO = CHEMICAL LIKE ODOR MLO = MUSTY LIKE ODOR
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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
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CGSB-146

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------------------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 35 | | 5/48 | 0.0 | | | | (33.8'- 35') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; wet, brown. | |
| | 25 | | | | | | | (35'- 37.5') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown, orange band of iron. | |
| | 40 | | 5/48 | 0.0 | | | CGSB-146 (40-45) | (37.5'- 38.8') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; gray. (38.8'- 40') SANDY SILT (ML); ~50% sand, fine, ~50% fines; gray. (40'- 42.7') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; grayish brown. | |
| | 30 | | | | | | | (42.7'- 45') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brownish orange. | |
| | 45 | | 5/48 | 0.0 | | | | (45'- 46.7') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; wet, brown. | |
| | 35 | | | | | | | (46.7'- 47.5') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; wet, brown. | |
| | 50 | | 5/48 | 0.0 | | | | (47.5'- 50') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown. | |
| | 40 | | | | | | | (50'- 55') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; wet, brown. | |

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BORING LOG

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| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|------------------|----------------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 55 | | 5/36 | 0.0 | [Dotted pattern] | | | (55'- 56.7') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; wet, brown. | |
| -45 | | | | | | | | (56.7'- 57.2') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine, ~5% fines; wet, red. (57.2'- 60') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine to coarse, ~5% fines; wet, brown. | |
| | 60 | | 5/30 | 0.0 | | | | (60'- 65') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% sand, fine to coarse, ~30% gravel, fine to coarse, ~5% fines; wet, brown. | |
| -50 | | | | | [Dotted pattern] | | | | |
| | 65 | | 5/48 | 0.0 | | | | (65'- 75') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% gravel, fine to coarse, ~60% sand, fine to coarse; brown. | |
| -55 | | | | | [Dotted pattern] | | | | |
| | 70 | | | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|------------------|----------------|------|---------------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| -60 | | | 5/44 | 0.0 | [Dotted pattern] | | | | |
| | 75 | | 5/48 | 0.0 | | | | | (75'- 80') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% sand, fine to coarse, ~30% gravel, fine to coarse, ~5% fines; light brown. |
| -65 | | | | | | | | | |
| | 80 | | | | | | | End of Boring at 80 feet. | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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 S_v = TORVANE PEAK

ppm = PARTS PER MILLION
 IN. = INCHES
 FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
 PLO = PETROLEUM LIKE ODOR
 TLO = TAR LIKE ODOR
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CrLO = CREOSOTE LIKE ODOR
 OLO = ORGANIC LIKE ODOR
 SLO = SULFUR LIKE ODOR
 MLO = MUSTY LIKE ODOR



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455 Winding Brook Road
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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
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CGSB-147

GROUND SURFACE ELEVATION (FT): 7.80 LOCATION: Bayside Fuel Depot
NORTHING (FT): 670637 EASTING (FT): 631288 TOTAL DEPTH (FT): 80.0
DRILLED BY: Boart Longyear / Frank Gardella DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Chris Anastasiou DATE START / END: 11/8/2012 - 11/8/2012
DRILLING DETAILS: _____
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: Survey coordinates and elevation are estimated.

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--|----------------|------|---|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| 0 | 0 | | 5/NM | | [Pattern: irregular black spots on white background] | | | (0'- 0.1') ASPHALT. (0.1'- 5') WIDLEY GRADED GRAVEL WITH SAND (GW); ~70% gravel, fine to coarse, ~30% sand, fine to coarse; FILL. | |
| 5 | 5 | | 5/36 | 181 | | | NLO | CGSB-147 (7-8) | (5'- 8.6') ~40% sand, fine to coarse; moderate naphthalene-like odor, black tar staining. FILL. |
| 10 | 10 | | 5/48 | 1.1 | [Pattern: vertical lines] | | | (8.6'- 10') SANDY SILT (ML); ~60% fines, ~40% sand, fine to coarse; moderate naphthalene-like odor, black staining. | |
| -5 | -5 | | | | | | OLO | | (10'- 15') SILT (ML); ~100% fines; moderate organic-like odor, gray. |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 15 | | 5/48 | 25.2 | | | | | (15'- 20') SILT (ML); ~100% fines. |
| | 20 | | 5/24 | 38 | | | | | (20'- 25') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, gray. |
| | 25 | | 5/38 | 33.5 | | | NLO | | (25'- 25.7') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; slight naphthalene-like odor, gray. (25.7'- 25.8') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; slight naphthalene-like odor, gray, tar band. (25.8'- 28.2') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown. |
| | 30 | | 5/48 | 3.3 | | | NLO | | (28.2'- 30') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; slight naphthalene-like odor, gray. (30'- 31.3') SILTY SAND (SM); ~85% sand, fine to coarse, ~15% fines; brown. (31.3'- 35') SILTY SAND (SM); ~85% sand, fine, ~15% fines; brown. |

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BORING LOG
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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------------------|---|---------------------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | 35 | | 5/40 | 4.1 | [Patterned Strata] | | CGSB-147 (38-40) | (35'- 36.5') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown. | |
| | | | | | | (36.5'- 37.3') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; gray. | | | |
| | -30 | | | | | (37.3'- 45') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown. | | | |
| | 40 | | 5/48 | 5.8 | | | | | |
| | | | | | | | | | |
| | -35 | | | | | | | | |
| | 45 | | 5/48 | 3.9 | | | | (45'- 50') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown. | |
| | | | | | | | | | |
| | -40 | | | | | | | | |
| | 50 | | 5/36 | 1.2 | | | | (50'- 55') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; brown. | |

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BORING LOG

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CGSB-147

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|----------------|------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| -45 | | | | | | | | | |
| | 55 | | 5/40 | 0.5 | | | | (55'- 60') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; brown. | |
| | 60 | | 5/48 | 1.3 | | | | (60'- 65') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine to coarse, ~5% fines; brown. | |
| | 65 | | 5/48 | 0.6 | | | | (65'- 70') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; brown. | |
| | 70 | | | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG

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CGSB-147

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | VISUAL IMPACTS | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|------------------|----------------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | | |
| | | | 5/34 | 0.0 | [Strata pattern] | | | (70'- 75') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown. | |
| | 75 | | 5/48 | 0.0 | | | | (75'- 80') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine, ~10% fines; brown. | |
| | 80 | | | | | | | End of Boring at 80 feet. | |

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BORING LOG
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CGSB-150/CGMW-46

GROUND SURFACE ELEVATION (FT): 11.28 LOCATION: Garnet Street
NORTHING (FT): 670881 EASTING (FT): 631263 TOTAL DEPTH (FT): 35.0
DRILLED BY: Zebra / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Nick Morang and Amy Malsbary DATE START / END: 5/20/2013 - 5/20/2013
DRILLING DETAILS: _____
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| 0 | 0 | | 5/NM | | | | (0'- 0.4') CONCRETE; Sidewalk slab. (0.4'- 1.5') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; dark gray. |
| 10 | 1.5 | | | | | | (1.5'- 1.8') BRICK. (1.8'- 10.5') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; dry, brown to grayish brown. |
| 5 | 5 | S-1 | 5/40 | | | 0.0 | |
| 10 | 10 | S-2 | 5/59 | | | 0.0 | (10.5'- 11.9') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, brown to grayish brown. (11.9'- 20') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, reddish brown. |
| 15 | 15 | | | | | | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG

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CGSB-150/CGMW-46

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|------------------|--------------------|--|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| 15 | | S-3 | 5/58 | | | | |
| -5 | | | | 0.0 | | | |
| 20 | | S-4 | 5/60 | | | | (20'- 23.1') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; saturated, reddish brown. |
| -10 | | | | 0.0 | | | |
| 25 | | S-5 | 5/60 | | | | (23.1'- 24') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, reddish brown. (24'- 25') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, reddish brown. |
| -15 | | | | | CGSB-150 (26-27) | | (25'- 26.8') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; cohesive, saturated, reddish brown. |
| | | | | 0.0 | | | (26.8'- 28.3') NARROWLY GRADED SAND (SP); ~95% sand, fine, ~5% fines; saturated, reddish brown. |
| 30 | | S-6 | 5/61 | | | | (28.3'- 34.2') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; wet, reddish brown, lenses of fine sand from 29.6 to 29.8'. |
| -20 | | | | | | | |

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 CGSB-150/CGMW-46

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|--------------------|---|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | |
| | 35 | | | | | | (34.2'- 35') SILTY SAND (SM); ~70% sand, fine, ~30% fines; moist, dark gray. End of Boring at 35 feet. |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
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| REC = RECOVERY LENGTH OF SAMPLE | IN. = INCHES | PLO = PETROLEUM LIKE ODOR | OLO = ORGANIC LIKE ODOR |
| PID = PHOTOIONIZATION DETECTOR READING (PPM) | FT. = FEET | TLO = TAR LIKE ODOR | SLO = SULFUR LIKE ODOR |
| JHS = JAR HEADSPACE PID READING (PPM) | | CLO = CHEMICAL LIKE ODOR | MLO = MUSTY LIKE ODOR |
| NA = NOT APPLICABLE | Q _p = POCKET PENETROMETER | ALO = ASPHALT LIKE ODOR | |
| NM = NOT MEASURED | S _v = TORVANE PEAK | | |



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BORING LOG

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CGSB-151/CGMW-47

GROUND SURFACE ELEVATION (FT): 8.32 LOCATION: Centre Street
NORTHING (FT): 670641 EASTING (FT): 631192 TOTAL DEPTH (FT): 35.0
DRILLED BY: Zebra / Evan Moraits DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Nick Morang and Amy Malsbary DATE START / END: 5/20/2013 - 5/20/2013
DRILLING DETAILS: _____
WATER LEVEL ELEVATIONS (FT): _____
GENERAL NOTE: _____

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|---|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| 0 | | | 5/NM | | | | (0'- 0.3') CONCRETE; Sidewalk slab. (0.3'- 1.5') WIDELY GRADED SAND WITH GRAVEL (SW); ~60% sand, fine to coarse, ~40% gravel, fine to coarse; moist, brownish gray. (1.5'- 5') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, reddish brown. | |
| 5 | | | | | | | | |
| 5 | | S-1 | 5/41 | | | | (5'- 6.6') NARROWLY GRADED SAND WITH GRAVEL (SP); ~80% sand, fine to medium, ~15% gravel, fine to coarse, subangular to subrounded, ~5% fines; max. size 1.5, moist, reddish brown, coal fragments. (6.6'- 10') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, wet at 8.8'. | |
| 10 | | | | | | | | |
| 10 | | S-2 | 5/53 | | | | (10'- 15') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; saturated. | |
| 15 | | | | | | | | |

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16



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BORING LOG
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CGSB-151/CGMW-47

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|-----------|-----------|--------------|-----------------|-----------|--------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 15 | S-3 | 5/60 | | | | (15'- 15.9') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; saturated, brown, ~15% fine gravel from 15.7 to 15.9'. (15.9'- 16.9') NARROWLY GRADED SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, subangular to subrounded, ~5% fines; max. size 0.25, saturated, brown. (16.9'- 19.5') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet to saturated, brown to light brown. | |
| | -10 | | | | | | | |
| | 20 | S-4 | 5/61 | 0.0 | | | (19.5'- 20') NARROWLY GRADED SAND (SP); ~95% sand, fine, ~5% fines; cohesive, slight organic-like odor, saturated, brown. (20'- 21.1') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, grayish brown, slight musty odor. (21.1'- 23.6') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine to medium, ~10% fines; saturated, brown. | |
| | -15 | | | | | | (23.6'- 24.1') NARROWLY GRADED SAND WITH SILT (SP); ~90% sand, fine, ~10% fines; saturated, olive brown. (24.1'- 25.8') NARROWLY GRADED SAND (SP); ~95% sand, medium to coarse, ~5% fines; saturated, reddish brown. | |
| | 25 | S-5 | 5/60 | 0.0 | | | (25.8'- 26.3') SILT (ML); ~95% fines, low plasticity, ~5% sand, fine; cohesive, wet, gray. (26.3'- 28.5') SANDY SILT (ML); ~70% fines, low plasticity, ~30% sand, fine; cohesive, wet, gray. | |
| | -20 | | | | | | (28.5'- 29') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; wet, gray, lense of silt from 28.8 to 29.9'. (29'- 30.7') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, brown, slight musty odor. | |
| | 30 | S-6 | 5/60 | 0.0 | | | (30.7'- 31') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; cohesive, wet, gray and brown. (31'- 31.3') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, mostly fine, ~10% fines; cohesive, wet, gray. (31.3'- 33.7') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, grayish brown to brown, slight musty odor. | |
| | -25 | | | | | | | |

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
| PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL | ppm = PARTS PER MILLION | NLO = NAPHTHALENE LIKE ODOR | CrLO = CREOSOTE LIKE ODOR |
| REC = RECOVERY LENGTH OF SAMPLE | IN. = INCHES | PLO = PETROLEUM LIKE ODOR | OLO = ORGANIC LIKE ODOR |
| PID = PHOTOIONIZATION DETECTOR READING (PPM) | FT. = FEET | TLO = TAR LIKE ODOR | SLO = SULFUR LIKE ODOR |
| JHS = JAR HEADSPACE PID READING (PPM) | | CLO = CHEMICAL LIKE ODOR | MLO = MUSTY LIKE ODOR |
| | | ALO = ASPHALT LIKE ODOR | |
| NA = NOT APPLICABLE | Q _p = POCKET PENETROMETER | | |
| NM = NOT MEASURED | S _v = TORVANE PEAK | | |



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 Glastonbury, CT 06033
 (860) 368-5300

CLIENT: National Grid
 PROJECT: Citizens Gas Works
 CITY/STATE: Brooklyn, New York
 GEI PROJECT NUMBER: 093250

BORING LOG
 PAGE 3 of 3
 CGSB-151/CGMW-47

| ELEV. FT. | DEPTH FT. | SAMPLE INFO | | | STRATA | ODOR | ANALYZED SAMPLE ID | SOIL / BEDROCK DESCRIPTION |
|---------------------------|-----------|--------------|-----------------|-----------|--------|------|--|----------------------------|
| | | TYPE and NO. | PEN/REC FT./FT. | PID (PPM) | | | | |
| | 35 | | | | | | (33.7'- 35') SANDY SILT (ML); ~80% fines, low plasticity, ~20% sand, fine; cohesive, moist, grayish brown. | |
| End of Boring at 35 feet. | | | | | | | | |

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

NOTES:

| | | | |
|--|--------------------------------------|-----------------------------|---------------------------|
| PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL | ppm = PARTS PER MILLION | NLO = NAPHTHALENE LIKE ODOR | CrLO = CREOSOTE LIKE ODOR |
| REC = RECOVERY LENGTH OF SAMPLE | IN. = INCHES | PLO = PETROLEUM LIKE ODOR | OLO = ORGANIC LIKE ODOR |
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| NA = NOT APPLICABLE | Q _p = POCKET PENETROMETER | ALO = ASPHALT LIKE ODOR | |
| NM = NOT MEASURED | S _v = TORVANE PEAK | | |

Test Pit Log

CGTP-205

Project CITIZENS FORMER
MGP PILOT TEST PROGRAM
 City/Town BROOKLYN, NY
 Client NATIONAL GRID
 Contractor McVAC Environmental
 Equipment/Reach HAND DIG
 Operator J. O'KEEFE GEI Rep. S. DIBARTOLO
 Weather FOGGY ~ low 50's F, DRIZZLE

Page 1 of 2
 Location MH-13 Along
Sewer Line Between
Gowanus Canal and 98th St
 Ground El. 7.00'
 Datum NAVD 88
 GEI Proj. No. 093250-1-117
 Date 12/10/12

| Depth (ft) | Sample No. and Type | Sample Depth (ft) | Soil Description |
|------------|---------------------|-------------------|---|
| | | | <p>MH-13 Outline of Excavated hole 2'-4" TOPSOIL 8'-4" 72" DIA. BRICK SEWER SETTLEMENT EL. 7.00' EL. -2.15' 21"</p> |

Notes:

- 1) 2'-4" TOPSOIL COVERING MH-13.
- 2) 72" DIA. SEWER
- 3) ELEVATIONS OF MH RIM AND INVERT ARE FROM GEOD SEWER SURVEY, APRIL 2013

Pit Dimensions (ft)

Length 4
 Width 4
 Depth 9.5



| Test Pit Log | | CGTP-205 |
|---|--|---|
| Project <u>CITIZENS FORMER</u> <u>MGP PILOT TEST PROGRAM</u> | | Page <u>2</u> of <u>2</u> |
| City/Town <u>BROOKLYN, NY</u> | | Location <u>MH-13 Along</u> <u>Sewer Line Between</u> <u>Gowanus Canal and 98th St</u> |
| Client <u>NATIONAL GRID</u> | | Ground El. <u>7.00'</u> |
| Contractor <u>Mc Vac Environmental</u> | | Datum <u>NAVD 88</u> |
| Equipment/Reach <u>HAND DIG</u> | | GEI Proj. No. <u>093250-1-1117</u> |
| Operator <u>J. O'KEEFE</u> GEI Rep. <u>S. DIBARTOLO</u> | | Date <u>12/10/12</u> |
| Weather <u>FOGGY ~ low 50's F, DRIZZLE</u> | | |

| Depth (ft) | Sample No. and Type | Sample Depth (ft) | Soil Description |
|---|---------------------|-------------------|---|
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">1</div> <div style="margin-bottom: 5px;">2</div> <div style="margin-bottom: 5px;">3</div> <div style="margin-bottom: 5px;">4</div> <div style="margin-bottom: 5px;">5</div> <div style="margin-bottom: 5px;">6</div> <div style="margin-bottom: 5px;">7</div> <div style="margin-bottom: 5px;">8</div> <div style="margin-bottom: 5px;">9</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">11</div> <div style="margin-bottom: 5px;">12</div> <div style="margin-bottom: 5px;">13</div> <div style="margin-bottom: 5px;">14</div> <div style="margin-bottom: 5px;">15</div> <div style="margin-bottom: 5px;">16</div> <div style="margin-bottom: 5px;">17</div> <div style="margin-bottom: 5px;">18</div> <div style="margin-bottom: 5px;">19</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">21</div> <div style="margin-bottom: 5px;">22</div> <div style="margin-bottom: 5px;">23</div> <div style="margin-bottom: 5px;">24</div> <div style="margin-bottom: 5px;">25</div> <div style="margin-bottom: 5px;">26</div> <div style="margin-bottom: 5px;">27</div> <div style="margin-bottom: 5px;">28</div> <div style="margin-bottom: 5px;">29</div> <div style="margin-bottom: 5px;">30</div> </div> | | | <p style="text-align: center;">GOWANUS CANAL DUE SOUTH</p> <p style="text-align: center;">MH-13</p> <p style="text-align: center;">EDGE OF SIDE WALK</p> <p style="text-align: center;">Ramp</p> <p style="text-align: center;">~15'</p> <p style="text-align: center;">2.5'</p> <p style="text-align: center;">3.5'</p> <p style="text-align: center;">98th St</p> <p style="text-align: center;">Building Line</p> <p style="text-align: center;">Cobble stones</p> <p style="text-align: center;">↓ N</p> <p style="text-align: center;">BOND ST DUE EAST</p> <p style="text-align: center;">FOXT ST DUE WEST</p> |

| | | |
|----------------------|---|--|
| <p><u>Notes:</u></p> | <p>Pit Dimensions (ft)</p> <p>Length <u>4</u></p> <p>Width <u>4</u></p> <p>Depth <u>9.5</u></p> | |
|----------------------|---|--|

